

# OPERATIONAL PROFILE

2013



AngloGold Ashanti holds a 100% interest in the Cripple Creek & Victor (CC&V) Cresson mine, located in the state of Colorado, the company's sole operation in the United States.

Surface mining began in 1994 and ore mined is supplied to a crusher and valley-leach facility, one of the largest in the world.

A second life extension and production expansion project (MLE2) is underway and expected to increase production significantly from 2015.

The operation exploits the gold-bearing ore in the Precambrian rocks located between the towns of Cripple Creek and Victor in the state of Colorado.

## PERFORMANCE 2013

Production from the mine life extension project (MLE1), which involved expanding capacity at the heap-leach pad, began in 2011 and is expected to continue until 2016 at current mining rates.

Production at CC&V's Cresson mine has been affected by the severe drought since 2010, with the lack of water reducing percolation through the heap-leach pad. However, although the increased availability of fresh water during 2013 facilitated heap leach pad production, output was down overall for the year. Higher costs were driven by lower recoverable grades, the longer haulage distances and increased prices of component parts.

CC&V's expansion project (MLE2), a major capital project for AngloGold Ashanti, progressed according to plan and is expected to increase output significantly. The mill is scheduled to be commissioned by the end of 2014, with production due to begin in 2015. The Mineral Resource development drilling programme continued and a total of 43,691m was completed in 2013. Infill drilling continued to improve definition of material within current mine designs to feed the mill facility currently under construction. Other drilling was directed at identifying expansion opportunities for the current open-pit operations through high-wall laybacks.

## HIGHLIGHTS OF THE YEAR

- Expansion projects on track and due to deliver as scheduled
- An average of 832 employees achieved a productivity rate of 37.45oz per total employee costed (TEC)
- Water management remains a critical issue
- As at 31 December 2013, CC&V's Mineral Resource of 10.84Moz accounted for 18% of the Americas region's Mineral Resource

## Cripple Creek & Victor – key statistics

	Units	2013	2012	2011
<b>Operational performance</b>				
Pay limit	oz/t	0.007	0.006	0.007
	g/t	0.22	0.20	0.24
Recovered grade	oz/t	0.009	0.012	0.011
	g/t	0.34	0.40	0.39
Tonnes treated/milled	Mt	20.8	20.9	20.3
Gold production	000oz	231	247	267
Total cash costs <sup>(1)</sup>	\$/oz produced	732	638	564
All-in sustaining costs	\$/oz sold	927	817	
Total production costs	\$/oz	927	804	720
Capital expenditure <sup>(1)</sup>	\$m	157	100	67
Productivity	oz/TEC	37.45	37.46	44.31
<b>Safety</b>				
No. of fatalities		0	0	0
All injury frequency rate (AIFR)	per million hours worked	9.30	12.75	19.80
<b>People</b>				
Total average no. of employees		832	692	581
– Permanent		508	485	454
– Contractors		324	207	127
<b>Environment</b>				
Total water usage	ML	3,042	1,860	2,207
Total water usage per tonne treated	kL/t	0.15	0.09	0.11
Total energy usage	PJ	2.42	2.46	2.13
Total energy usage per tonne treated	GJ/t	0.12	0.12	0.10
Total greenhouse gas (GHG) emissions (CO <sub>2</sub> e)	000t	233	235	207
Total GHG emissions per tonne treated	t CO <sub>2</sub> e/t	0.01	0.01	0.01
Cyanide usage	t	4,431	4,124	3,476
No. of reportable environmental incidents		0	0	0
Total rehabilitation liabilities	\$m	79	91	81

<sup>(1)</sup> Restated for 2011 and 2012 in terms of adoption of IFRIC 20.

For more detailed information from an operational and sustainability perspective, please see the United States country fact sheet which is available at [www.aga-reports.com](http://www.aga-reports.com).