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### Key features

- Tonnes milled down 32% to 307 000 tonnes
- Cash costs up 24%
- Platinum in concentrate down 25% to 16 290 ounces
- Achieved dollar basket price down 4% to \$672/ounce
- Attributable loss of R17 million



OPERATIONAL REVIEW

### What we expected

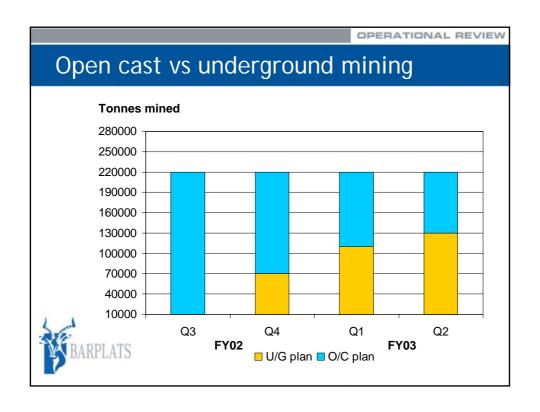
#### For the half-year

- 445 000 tonnes milled
- Average yield in concentrate of 2.64g/t
- Platinum in concentrate of 19 300 ounces

#### Operationally

 Steady progression from open cast operations to underground operations, with a build-up in tonnages, at lower grades, but higher recoveries

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#### What we encountered

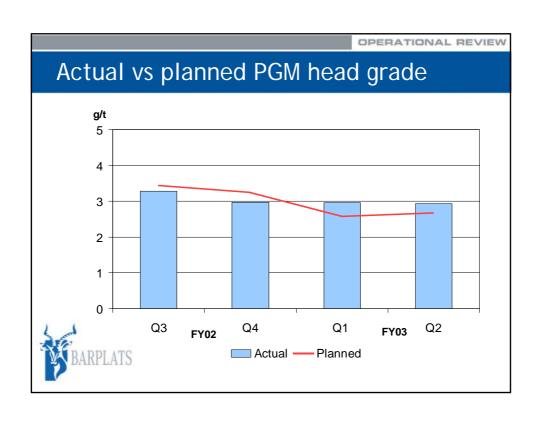
#### Open cast mining

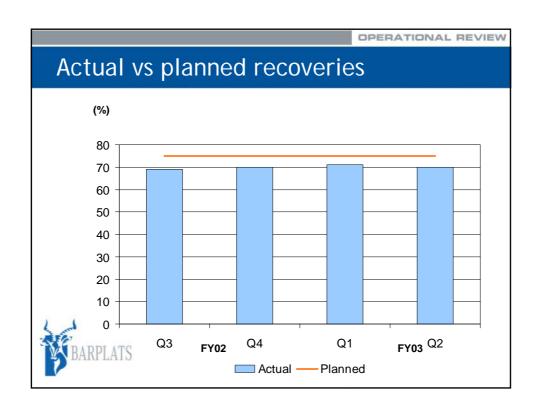
Intersected potholes and dykes

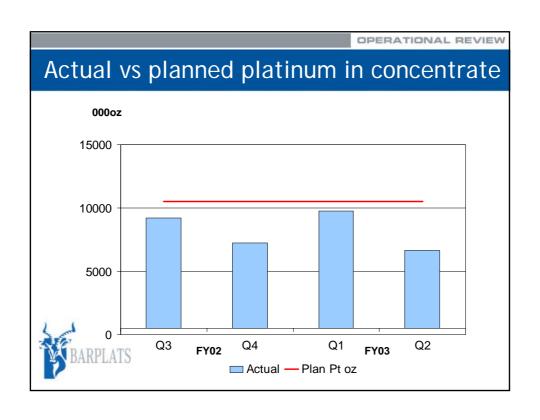
#### Underground mining problems

- Poor mining conditions
- Geological problems (potholes, dykes, faults worse than expected)
- Slower than expected development
- Lack of available mining face

Calendar 2002 (%)	Q1	Q2	Q3	Q4
Open cast	78	80	120	88
Underground	-	51	43	25
Total	78	67	81	53







## Results - Consolidated income statement

R'000	FY03 interims	FY02 interims	FY02
Sales revenue	107 781	124 119	265 832
Cost of sales	107 283	96 908	193 162
Contract mining cost	56 728	38 416	92 843
Contract concentrating costs	23 472	26 303	50 219
Amortisation of mining assets	22 960	28 656	41 794
Other costs	4 123	3 533	8 306
Operating income	498	27 211	72 670



OPERATIONAL REVIEW

# Results - Income statement continued

R'000	FY03 (interims)	FY02 (interims)	FY02
Operating income	498	27 211	72 670
Exploration expense	(4 162)	(11 552)	(18 919)
Other (expense)/income	(7 210)	24 063	10 503
Net financing expense	(6 046)	(6 967)	(9 162)
Attributable (deficit)/income	(16 996)	32 729	54 959



### What we did

Modified bord and pillar widths

Redesigned support systems

- Resin bolting
- Long anchors

Development strategy through dyke

- Further reduction of bord widths
- Increased supervision
- Sunday permit for development blasting

BARPLATS

OPERATIONAL REVIEW

## Analysis of costs

- Lower production volumes
  - > 60% of costs are fixed
- Higher stripping ratios resulted in opencast tonnes costing more
- Contractor costs higher as a result of additional development



#### What next

- Change mining method bord and pillar to hybrid system
  - ➤ Mechanical development and conventional stoping
- Development sections
  - ➤ Change minor dip from 10.5° to 8°
  - > Separate development from stoping
  - > Dedicated equipment and personnel
- Stoping sections
  - > Conventional stoping with mechanised cleaning



# Reserves and resources (UG2 orebody)

	Tonnage (000t)	Platinum (000oz)
Proved	500	30
Probable	8 300	590
Indicated	16 000	1 400



OPERATIONAL REVIEW

## **Prospects**

- Expected to continue to make losses for the rest
  of the financial year aggravated by stronger rand
- Krokodildrift and Zandfontein
- Kennedy's Vale



