

key statistics

Information based on the 2002 Eskom Annual report
Assume full combustion of coal

	Units	Impala Platinum Limited		Marula Platinum
		Rustenburg Operations	Refineries	
EMPLOYEES*				
No of employees		26,373	1,032	1,226
No of contractors		7,085	1,260	-
Total no of employees		33,458	2,292	1,226
PRODUCTION				
Ore milled	tonnes	15,778,379	-	766,134
Matte milled	tonnes	-	29,526	-
Tailings retreated	tonnes	nil	-	-
Dump slag treated	tonnes	1,344,845	-	-
ENERGY				
Electricity purchased	MWh	2,131,250	124,746	64,036
Means of electricity generation		100% coal fired power stations	100% coal fired power stations	100% coal fired power stations
Energy from electricity purchased	GJ	7,672,500	449,085	230,530
Coal	tonnes	98,772	71,373	nil
Energy from coal	GJ	2,686,585	1 941,346	-
Petrol	litre	466,835	-	13,609
Energy from petrol	GJ	16,050	-	468
Diesel	litre	2,190,542	63,624	717,212
Energy from diesel	GJ	75,311	2,187	24,658
Sasol gas	GJ	-	49,190	-
WATER CONSUMPTION				
Fresh water	kilolitre	12,254,412	887,240	531,161
Recycled	kilolitre	11,364,274	214,549	234,973
Water consumed from electricity purchased	kilolitre	2,706,688	158,427	81,326
AIR EMISSIONS				
SO ₂ from operations	tonnes	14,967	604	-
Chlorine	tonnes	-	20	-
Ammonia	tonnes	-	74	-
NO _x	tonnes	Not quantified	11	-
CO _x	tonnes	Not quantified	125,567	-
CO ₂ from coal consumption	tonnes	217,297	157,021	-
SO ₂ from electricity purchased	tonnes	16,112	943	484
CO ₂ from electricity purchased	tonnes	1,896,813	111,024	56,692
NO _x from electricity purchased	tonnes	7,566	443	227
AREA REHABILITATED	m ²	195,638	0	0
ENVIRONMENTAL INCIDENTS				
Internal		194	46	5
External		10	37	0
ENVIRONMENTAL AUDITS				
Internal		62	30	2
External		1	3	0
ISO 14001 Certified	Yes/No	Yes	Yes	No
WASTE				
General waste disposed	tonnes	3,815	699.35	148
Tailings	tonnes	15,778,379	-	759,457
Slag	tonnes	474,422		
HIV PREVALENCE				
LTIFR		4.23	1.2	3.44
No of fatalities		4	0	2

*Employees in service at 30 June 2005 including capital projects.

	Units	Zimplats	Mimosa
EMPLOYEES*			
No of employees		743	1,472
No of contractors		1,170	148
Total no of employees		1,913	1,620
PRODUCTION			
Ore milled	tonnes	2,058,210	1,423,608
Matte milled	tonnes	-	-
Tailings retreated	tonnes	-	-
Dump slag treated	tonnes	-	-
ENERGY			
Electricity purchased	MWh	186,241	93,360
Means of electricity generation		Various	Various
Energy from electricity purchased	GJ	670,468	336,096
Coal	tonnes	6,085	-
Energy from coal	GJ	165,512	-
Petrol	litre	158,810	222,660
Energy from petrol	GJ	5,460	7,655
Diesel	litre	861,617	2,277,549
Energy from diesel	GJ	29,622	78,302
Sasol gas	GJ	-	-
WATER CONSUMPTION			
Fresh water	kilolitre	1,699,768	1,941,260
Recycled	kilolitre	425,038	
Water consumed from electricity purchased	kilolitre		
AIR EMISSIONS			
SO ₂ from operations	tonnes	8,064	-
Chlorine	tonnes	-	-
Ammonia	tonnes	-	-
NO _x	tonnes	Not quantified	-
CO _x	tonnes	Not quantified	-
CO ₂ from coal consumption	tonnes	13,387	-
SO ₂ from electricity purchased	tonnes		
CO ₂ from electricity purchased	tonnes		
NO _x from electricity purchased	tonnes		
AREA REHABILITATED	m ²	10,300	
ENVIRONMENTAL INCIDENTS			
Internal		96	31
External		1	0
ENVIRONMENTAL AUDITS			
Internal		3	14
External		4	6
ISO 14001 Certified	Yes/No	SMC (Yes) Ngezi operations (No)	No
WASTE			
General waste disposed	tonnes	189 telecons at SMC & 2777 drums at Ngezi operations	261
Tailings	tonnes	1,982,606	1,377,663
Slag	tonnes	70,240	-
HIV PREVALENCE			
LTIFR	%	17% and 19% for SMC & Ngezi respectively	
No of fatalities		0.8	1.4
No of fatalities		1	0