



**ANNUAL REPORT OF THE COUNCIL  
FOR THE YEAR ENDED 31 DECEMBER 2006**

**COUNCIL 2006**

**President**

N A Herrick  
Anglo Platinum Limited

**Vice-President**

D J D Stander  
Impala Platinum Limited

**Immediate Past-President**

M P O'Hare  
Anglogold Ashanti Limited

**Elected Members of Council**

F Agenbag  
Harmony Gold Mining Company Limited

P J B Becker  
Rustenburg Platinum Mine

E P Britz  
Xstrata Alloys

Ms E Cilliers  
Harmony Gold Mining Company Limited  
(Resigned July 2006)

G Erasmus  
Driefontein Mine

F J Fourie  
Kopanang Mine

S V Green  
Harmony Gold Mining Company Limited

M W Roebert

Anglo Platinum Limited

M P Schmidt  
Lonmin Platinum Limited

C J Sutherland  
Beatrix Mine

V P Tobias  
Kloof Mine

T van den Berg  
Barplats Mines Limited

*Alternate Member to Council*

N V L James  
Modikwa Platinum Mine

**Secretary**

S J Orchardson  
Mines Professional Associations' Secretariat

**REPORT OF THE COUNCIL FOR THE YEAR ENDED**  
**31 DECEMBER 2006**

Presented to the members of the Association on the occasion of the One Hundred and Twelfth Annual General Meeting held at the Johannesburg Country Club, on Friday 16 March 2007 at 10:30.

**FINANCE**

The financial statements appended to this report reflect the income and expenditure of the Association's funds administered by the Secretariat.

Revenue for the year amounted to R1 373 004 made up of subscriptions received from members, interest earned on monies deposited with the Chamber of Mines' Cash Management Department and revenue on sales of Association insignia. Expenditure amounted to R1 195 482. With the transfer of the current year's net surplus of R177 522 an amount of R337 442 has been carried forward to the new financial year (2007).

**SUBSCRIPTIONS**

In terms of the powers vested in it by the Constitution and Rules of the Association, the Council has decided to increase the subscriptions for the ensuing year to R730 for Ordinary members, R595 for Associate members (excluding VAT), Student Members R205 (excluding VAT) and R80 for Retired members subscriptions (excluding VAT).

**MEMBERSHIP**

The total membership of the Association as at 31 December 2006 (2005) was 687(688) made up of 221(200) Ordinary members, 266(290) Associate members, 18(17) Honorary Life members, 46(44) Honorary Associate members, 95(95) Retired members, and 41 (42) Students.

This reflects a decline in membership of 1. The above numbers excludes the 80 members whose addresses are unknown.

**SAFETY AND HEALTH**

The safety and health of the people working in our industry remains our moral license to mine and is hence a key point at all Council, General and District meetings. A Safety Summit held in November 2006 was dedicated to safety and health with the resultant discussion and interchange of ideas amongst members. A total of 200 participants took part. A CD of the papers presented is available from the Secretary.

A strategic committee was created on council in 2005 in order for us to remain a meaningful stakeholder in achieving the 2013 MHSC Safety and Health targets. This committee has ensured that the detail in the targets have become widely disseminated to all areas of our organisations, they are also working with the Chamber of Mines representatives to ensure that our commitment is felt at appropriate forums and summits.

## **SAFETY ACHIEVEMENTS**

Your council wishes to place on record its congratulations to the following mines, their respective managements and staff on their safety achievements.

### **Two Million Fatality Free Shifts**

Eastern Platinum  
 Lebowa Platinum  
 Merriespruit No 3  
 Murray and Roberts Cementation  
 RPM – Union Section  
 South Deep Mine

### **One Million Fatality Free Shifts**

BEMA Gold SA  
 Impala Platinum No 1 Shaft  
 Impala Platinum No 4 Shaft  
 JIC – Amandelbult West  
 JIC Rustenburg, Northern Region  
 Kloof Mine  
 Kloof Mine No 4 Shaft  
 Kloof Mine No 7 Shaft  
 Kroondal  
 Masimong Mine  
 Murray and Roberts Cementation  
 Northam Platinum Mine  
 RPM Amandelbult Section  
 RPM – Rustenburg Section  
 RPM – Union Section  
 RPM – Union Section – Richard Shaft  
 South Deep Mine

### **750 000 Fatality Free Shifts**

Bema Gold  
 Blyvooruitzicht Mine

### **500 000 Fatality Free Shifts**

Bema Gold  
 Blyvooruitzicht Mine No 4 Shaft  
 Elandsrand  
 Great Nologwa Underground Section  
 Kloof Mine  
 Moab Khotsong  
 Northam Platinum Mine  
 St Helena No 8 Shaft Brand  
 Unisel Mine

### **Four Thousand Fatality Free Production Shifts**

Thornecliff Mine

### **One Thousand Fatality Free Production Shifts**

Moab Khotsong  
Blyvooruitzicht Mine No 4 Shaft

### **Other Noteworthy Achievements**

BRPM Central Logistic and Service Department had achieved three million lost time injury free manhours

Free State district had achieved 61 days without a fatality

Impala Platinum N0 16 Shaft had gone 10 months without a lost time injury

Joel Mine had achieved four years without a fatality

Kopanang Mine had achieved one year without a fatality

Lebowa Platinum Mine had achieved three years without a fatality

Murray and Roberts had achieved 18 months without a fatality

Savuka Mine had achieved one year without a fatality

Target Mine had achieved one year without a fatality

## **STRATEGIC INITIATIVES**

The 2013 targets and milestones, together with sustainability, were added to the existing initiatives during 2006.

### **Fund Raising**

The Presidents Cup Golf Day was held at Randfontein Estates Golf Club on the 7 December 2006 and the Council wishes to thank Mr Frank Pascoe, members and sponsors for making this a successful day.

500 members, guests and their partners attended the Annual Banquet at Caesar's Palace. Council thanks the members for their participation, mines and companies for sponsoring tables and Mr Frank Pascoe and his organizing committee for the memorable evening.

### **Qualifications, Registration and Licensing**

During the year the MPAs Steering Committee met on a monthly basis to deal with issues relating to the Identification of Engineering Work (IDoEW), Professional Registration and general qualifications in the Industry. More Associations are seeing the need to be aligned with the MPAs grouping and the following are presently involved to varying degrees:

- \* SA Colliery Managers Association (SACMA)
- \* SA Colliery Engineers Association (SACEA)
- \* Association of Mine Resident Engineers (AMRE)
- \* Association of Mine Managers of South Africa (AMMSA)
- \* The Institution of Certificated, Mechanical and Electrical Engineers, South Africa (ICMEESA)
- \* South African Coal Processing, South Africa
- \* Aggregate and Sand Producers Association of South Africa (ASPASA)

- \* Mine Metallurgical Managers Association (MMMA)
- \* South African National Institute of Rock Mechanics (SANIRE)
- \* Mine Ventilation Society of South Africa (MVS(SA))
- \* African Minerals Association (AMA)

### **Future Position of the MPA Grouping**

Most of the work relating to the original mandate for the MPAs Steering Committee is nearing completion and it is expected that the mandate will be finalised within the ensuing six months.

SACMA, SACEA and AMMSA have all received recognition as Voluntary Associations (VAs) with ECSA and it is anticipated that AMRE will be recognised in the not too distant future. Recognition as a VA brings with it additional responsibilities in terms of Continuing Professional Development (CPD) and participation in various ECSA structures and to this end the MPA Steering Committee is presently developing a strategic position paper to advise the various Councils. It is envisaged that a grouping of Mining Industry Professional Associations/Institutions/Societies be established to ensure that mining industry professionals are adequately represented with a common voice within ECSA structures.

The Steering Committee will complete its work as originally set out:

- to structure the new qualification as an Engineer, both stages 1 and 2
- be part of the transitional arrangements
- be part of the development of the need to register and possible need for licensing.

In addition it is obvious, based on the work completed, that the other members of the aligned groupings will need assistance to take up the work done and develop it for their members needs.

The Mining and Engineering Associations are also accepting the need to look after the qualifications for the Shiftboss/Forman as well as the GES/Mine Overseer.

The MPA Steering Committee coordinated the work and attendance of persons on the different committees to deal with the qualifications and their impact on the Industry.

The following major items were addressed:

### **Education**

- The finalisation of the level of the qualification for engineers at level 7 and the interactions that would be needed from the education providers to make it work.
- A level 5 qualification were also being structured for the GES/Mine Overseer level.
- The final document for an engineer in terms of outputs to be demonstrated in the form of a whole qualification as well as unit standards was developed ready for registration.
- The input requirements for the qualifications are being developed and should be completed by mid 2007.
- In MPAs members formed part of the QA accreditation of the University of Johannesburg for engineering subjects.

## **ECSA**

- AMMSA was recognised by ECSA as a Voluntary Association during January 2007.
- The members of the Associations served on the ECSA working groups as well as the Registration Committee.
- SACEA and SACMA were recognised as Voluntary Associations.
- Continuing Professional Development (CPD) has been a legal requirement as from January 2006. MPAs have developed guidelines to provide governance and administration for Associations and their members. All of the aligned Associations have adopted a common set of documents and approach. This then allows for the Secretariat to administer credits on behalf of the members in accordance with the ECSA rules.
- The new draft legislation as to what engineering work may be done by registered persons was distributed for comment by ECSA. MPAs gave feedback regarding their areas of concern and arranged in conjunction with the COM to have an “acid test” done by an independent grouping to ascertain the effect of the implementation of this legislation. Feedback has been given and we will continue to play a role in the development of the legislation to impact constructively on the Industry.

Your Association continues to encourage members to register with ECSA.

## **MEETINGS**

In addition to the monthly Council meetings, regular, lively and informative District meetings were held in the Eastern, Central, Free State and Western Districts and feedback from these meetings, through the District representatives, once again rendered invaluable assistance and guidance to the workings of Council.

During the year under review General Meetings were hosted by Great Noligwa, Harmony Gold Mine during the months of May and August 2006, respectively.

Despite difficulties experienced in the industry, the attendances achieved at the General meetings were satisfactory. The high calibre of the content of the technical papers and the excellence in presentation continued to meet the Association’s high standards and augurs well for the future. The Editorial Sub Committee successfully maintained the website for our Association viz [www.ammsa.org.za](http://www.ammsa.org.za) as well as ensuring that technical notes and papers presented at our general meetings were edited and placed on the website.

Your Council wishes to record its grateful thanks to the convenors of the General Meetings, and record a special thanks to the staff of the mines concerned and the Management and staff of the respective Recreation Clubs, without whose efforts and co-operation the meetings would have been less successful.

### **Representation on the Sentinel Mining Industry Retirement Fund**

During the year your Association represented the Mines Professional Associations together with the South African Colliery Managers' Association on the Board of Trustees. Regular feedback sessions are given to Council and reports were made to members at General Meetings on the funds performance by Mr Dave Smith.

### **Occupational Health and Safety Policy Committee**

Your Association is represented on the Occupational, Health and Safety Policy Committee of the Chamber of Mines.

This body is the main employer caucus for the Mining Regulations Advisory Committee (MRAC) and various issues related to occupational health and safety are tabled for comment, before mandates are passed on to MRAC members.

The main focus areas of the committee have been:

1. Drafting of Regulations
2. Professionalism

The Committee appointed a Steering Committee and working party consisting of Warren Beech and Rick Mohring to carry out an "acid test" to determine the implications that the proposed legislation under the Built Environment Act may have for the Mining Industry. A report was tabled in November 2006 and ECSA will now be approached by the Chamber of Mines in this regard.

The Mining Industry had signed a commitment to achieve various targets and milestones at an OH Summit on 15 June 2005. A high level committee had been appointed to promote and ensure that the Industry remain committed in achieving these targets and milestones.

### **Presidents and Vice- Presidents**

As has become practice over recent years, meetings of the Association Presidents and Vice-Presidents were held during July and November 2006.

These meetings served the purpose of creating an *esprit de corps* amongst the Associations and have provided an excellent forum where matters of concern and mutual interest to the eleven Professional Associations may be discussed at an Inter-Association level as well as with representatives of the Chamber of Mines.

### **ANNUAL PRESIDENTIAL TECHNICAL VISIT**

The 2006 Annual President's visit was undertaken to Namibia on 25-29 October 2006.

Technical visits were undertaken to Scorpien Zinc, Rosh Pinah Zinc and Namdeb. These technical visits were very memorable and members had the opportunity to interact with managers at these mines.

Your Association wishes to place on record its grateful thanks to the members of the Association who assisted in putting the visit together and to the management and staff of the hosts for all their efforts and hospitality.

### ASSOCIATION OF MINE MANAGERS' PRIZES

#### **President's Meritorious Award: 2006**

The Association's President's Meritorious award was awarded to Ms M Hermanus, former Chief Inspector of Mines at the Annual General Meeting on 10 March 2006.

#### **Association Silver Medal Award: 2005**

The Association's gold medal for 2005 was presented to Mr A S MacFarlane at the Annual General Meeting on 10 March 2006 for his Technical Paper "*Ten Steps to the Implementation of Effective Mineral Resource Management*".

#### **Best Second Year Students: Mining Engineering**

The Association's prizes for the best second year students in Mining Engineering for 2005 were awarded to Mr G G le Roux University of the Witwatersrand, Mr P Kluge of the University of Pretoria and the best mining engineering student, Mr R M Coetzee of the University of Johannesburg at the Annual General Meeting on 10 March 2006.

#### **Mine Ventilation Society**

The Association's prize for the best paper presented before the Mine Ventilation Society during 2006, was awarded to Mr R A Rawlins.

### TECHNICAL PAPERS AND DISCUSSIONS

The following papers were presented for discussion at the General Meetings and the Safety Summit during the year:

<i>Quantification of Platinum Group Mineral Enrichment in the Fines</i>	K D de Lange
<i>Fragmentation Studies and Improvement in Mine Call Factor at Kopanang Mine</i>	F Fourie
<i>Orepass: Rehabilitation and Case Studies at Impala</i>	L Gardner
<i>Ground Penetrating Radar at Western Chrome, Samancor Mines</i>	A Opperman
<i>The Removal of the 14B Shaft Pillar at Impala Platinum</i>	N Fernandez/M Louw
<i>Implementation of Two Major Vertical Shaft Projects Nos 16 and 20 Shafts at Impala Platinum</i>	L A Jagger

<i>MRC Kroondal Strategy</i>	Dr K Oosthuizen
<i>Progress and Future Initiatives Achieving the Milestones – Finding Synergies</i>	Ms M Hermanus
<i>SIMRAC Research into Women in Mining</i>	S Schutte
<i>5 000 000 FFS Achievement</i>	M Schmidt
<i>MRC Kroondal Strategy</i>	Dr K Oosthuizen
<i>SAGO Mine Disaster</i>	C de Klerk
<i>Materials Stewardship</i>	B Fourie
<i>Current Safety Trends in Dubai</i>	B Burger
<i>O&amp;HS Research in the SAM&amp;MS</i>	P Piper

Many other papers were presented at District meetings.

### **COUNCIL AND OUTSIDE COMMITTEES**

The Standing Committee of the Association was re-constituted as follows:

#### **Committees of Council and Outside Committees**

The Association has continued to be represented on numerous Chamber of Mines and other Committees/Working Groups with distinction and has during the year also maintained its representation on the Registration Committee of the Engineering Council of South Africa and has, in addition, continued to play a significant role on the Commission of Examiners for the Mine Managers' Certificate of Competency.

	<i>Representative</i>	<i>Alternate</i>
<b><u>STANDING COMMITTEE</u></b>		
<b>President</b>	N A Herrick	
<b>Vice-President</b>	D J D Stander	
<b>Central District</b>	P Becker	M W Roebert
<b>Eastern District</b>	E Britz	A Brown
<b>Free State District</b>	C J Sutherland	
<b>Western District</b>	F Fourie	F Agenbag
<b>Honorary Treasurer (Funding)</b>	President	

<b><u>AMM INITIATIVES</u></b>		
<b>2013 Targets and Milestones including Sustainable Development</b>	M W Roebert P V Tobias	
<b>Certificate of Competency Mine Managers Certificate</b>	M P O'Hare	K Cornforth
<b>Editorial Committee Technical Communication</b>	T van den Berg	G Erasmus
<b>Committee of Management</b>	N A Herrick	
<b><u>OUTSIDE COMMITTEES</u></b>		
<b>Retirement Fund (SMIRF)</b>	D Smith (MPAS)	A C Naude
<b><u>MINES RESCUE SERVICES</u> (including Gas Monitoring and Analysis and SCSR)</b>	F Agenbag G J Erasmus	
<b><u>EXAMINATIONS SUB- COMMITTEE</u></b>		
<b>Training Officers Rock Mechanics Environmental Cont.</b>	L de Klerk P M Coetzer P Hunter	TBA (Co-Ordinator)
<b><u>COMMISSION OF EXAMINERS</u></b>		
<b>Mining I Mining II Mining Technical Services Geology</b>	J L Viljoen D J D Stander A S MacFarlane  Mr D Fraser	A Rudolph A Rudolph L Zindi
<b><u>TECHNIKON MODERATORS</u></b>		
<b>Management Mining Mining Technical Services</b>	J L Viljoen J L Viljoen A S MacFarlane	
<b>OH&amp;SPC &amp; MRAC MPA Steering Committee</b>	A Brown N A Herrick	V P Tobias

<b>ECSA</b>	D J D Stander	P R S van Dorssen
<b><u>MISCELLANEOUS COMMITTEES</u></b>		
<b>SIMRAC SAIMM (Observer)</b>	M Schmidt T van den Berg	C P de Villiers

### ***WEBSITE***

The Association's website is regularly updated with papers and presentations made at meetings. In addition the CD on registration with ECSA was also placed there. The website provides access to upcoming events not only for the Association, but stakeholders.

### ***CONCLUSION***

Finally, the Council wishes to express its appreciation to all members of the Association of Mines Managers of South Africa for their support and attendance at various meetings.

I would also like to extend my gratitude to fellow Council members for their support during my terms of office as President of the Association.

Your Council wishes to record its sincere appreciation of the services rendered to the Association by the Secretary, Mr Simon Orchardson and his staff during the year as well as the support given by the Chamber of Mines and the Mining Groups.

**N A HERRICK  
PRESIDENT**