



SOUTH AFRICAN COLLIERY ENGINEERS' ASSOCIATION

**ANNUAL REPORT OF THE COUNCIL
FOR THE YEAR ENDED 31 DECEMBER 2008**

COUNCIL 2008

President

C M Norden
Sasol Mining

1st Vice-President

J P Pearson
Anglo Coal Project Services

2nd Vice-President

P E Mojalefa
Anglo Operations Limited

Immediate Past President

S W J van Wyk
Sasol Mining

Regional Chairmen

Gauteng/Mpumalanga/ Free State Region

M J Lourens
Sasol Mining

Kwazulu Natal Region

B L de Kock
Savmore Colliery

Elected Members

L D Botha
Sasol Coal

Z A Botha
Sasol Mining

J J du Plessis
Anglo Operations Limited

A P Eckard
Sasol Mining

M Fanoë
Anglo Operations Limited

G Q Gething
Anglo Operations Limited

M J Hyra
Total Coal SA
(Co-Opted)

L Kilian
Exxaro Coal
(Co-Opted)

B Loock
Xstrata Coal
(Co-Opted)

D Sichamba
Sasol Mining

D E Wardle
BHP Billiton Energy Coal South Africa

I M Williams
(Joy Mining)

J J Uys
Anglo Operations Limited
(Co-Opted)

H Zwart
Anglo Operations Limited

Secretary

Mr S J Orchardson
Mines Professional Associations' Secretariat

VISION STATEMENT

The vision statement is

To be a professional, dynamic, value-adding and influential body in our Industry

REPORT OF THE COUNCIL FOR THE YEAR ENDED 31 DECEMBER 2008

Presented to members of the Association on the occasion of the Thirtieth Annual General Meeting held at the Ridge Hotel, Witbank on Thursday 19 February 2009 at 11:00.

STRATEGIC PROCESS

Your Council has continued to focus on the Association becoming an effective role player in the Coal Mining Industry. This process would be ongoing as the Council wished to ensure that the Association was effectively marketed and participated in the preparation of new legislation and Codes of Practice as well as safety targets and milestones set by the Mining Industry.

A strategic planning session was held in February 2008 to set out this course for the Association's interaction with its various stakeholders during 2008 and 2009.

The following priorities were identified and progressed through the year:

- Influencing Policy
- Skills Security
- Growing the Footprint
- Participation and Value
- SACEA Governance
- Technical Excellence

As part of the process the Council issues a Newsletter after each Council meeting giving members some insight into Council affairs and updating members on the Association activities.

At the beginning of May 2008 selected members of Council met with the Heads of Engineering from the major Mining Houses to discuss the Associations' strategic plan for 2008 and for the Association to align itself with the objectives of each of the Mining Houses.

FINANCE

The financial statements appended to this report show that income for the year amounted to R701 139, made up of subscriptions received during the year from Full and Student members, interest received from investments, and the successful safety workshop and golf day. Expenditure amounted to R795 639. Accumulated funds at the beginning of the year totaled R432 164 and with the transfer of the current year's net deficit of R94 500, an amount of R337 664 will be carried forward to 2009.

As part of the Association's objectives a successful golf day was held in November 2008 and the funds generated helped to reduce the current net deficit for 2008. The event also promoted fellowship amongst members. A safety workshop was held in September 2008 which also generated funds for the Association. Both these events have become annual events supported by members and the local community.

Part of the accumulated funds has been used to fund the Association's initiative on the position of the certificated engineer, licensing and registration. The Council is currently strategising on how to make best use of the surplus for the general advancement of the Association.

SUBSCRIPTIONS

In terms of the Powers vested in it by the Association's Constitution and Rules, Council has agreed that the annual subscriptions for the ensuing year for Full and Affiliate members would increase to R685 (exclusive of VAT). The subscription for student members will be R205 (exclusive of VAT).

MEMBERSHIP

The membership of the Association as at 31 December 2008 was 287(258), made up of 190(171) Full members, 5 (4) Affiliate members, 71(62) Student Members, and 21(21) Honorary Life members.

There has been a net increase of 29.

Council records that 172 of its members are registered with ECSA in various categories.

Membership certificates are issued to new Full members of the Association on a bi-annual basis.

MEETINGS

In addition to the monthly meetings of Council, Regular Regional Meetings were held during the year and feed-back from members through their Regional Representatives and Council members, provided valuable assistance to the workings of Council. The increased involvement required by your Council in a number of important areas meant that Council meetings were held on a monthly basis.

During the year under review, Kwazulu Natal Regional meetings were combined with those of the Southern Region of the South African Colliery Managers' Association took place, to the benefit of both Associations.

The nine Council and five Regional Meetings, a General Meeting and a Joint Meeting with AMRE were well supported during the year and the commitment by members to the Association is a positive sign for the future well being of the Association and its activities.

Once again your President was invited to attend Council Meetings of the South African Colliery Managers' Association and wishes to thank its President, Mr P A Scheepers for maintaining close ties between the two Associations.

The Plant User Group had a very successful year with several technical visits.

The Opencast and Underground User Group meetings were not well supported.

INTERACTIVE WORKSHOP – OPENCAST USERS AND PROVIDERS

The objective of the workshop was to enlighten and refresh providers of equipment (OEM's) and users of equipment with regard to responsibilities and changes to Section 21 of the Mine, Health and Safety Act and contract management. The workshop provided a positive spin off through the Mining Industry to ultimately reduce accidents and increase the safety of people on the mines through knowledge and best practices. Mr W Beech was the facilitator for the day.

INTERMINE TECHNICAL VISITS

Council will continue to seek out interesting and diverse technical visits for members and give them the opportunity to experience other companies operations.

Technical Visits were undertaken to Gautrain and Impala Platinum.

MEETINGS OF PRESIDENTS AND VICE-PRESIDENTS

The Association participated at the inter-Association meetings of Presidents and Vice-Presidents, held in June and November 2008.

These meetings continued to serve as a useful forum where matters of mutual interest and concern have been addressed, not only with other mining disciplines, but also with the President and senior representatives of the Chamber of Mines.

Matters discussed and reports received at these meetings included inter alia:

- Eskom - Electricity
- ECSA – Licensing and Registration
- Occupational Health and Safety Policy
- Regulations, Codes of Practice and Guidelines
- Industrial Relations Issues
- Targets and Milestones
- Water
- Environmental Issues

SAFETY AND HEALTH

MINE SAFETY ACHIEVEMENTS

The Association and Council continues to place a high priority on safety improvements and the elimination of accidents.

Congratulations to the management and staff of all the mines who had safety achievements during 2008. The achievements will be acknowledged on 12 March at Coalsafe 2009.

ANNUAL SAFETY SEMINAR

The fifth safety seminar with five presentations was held on 2 October 2008 hosted by Sasol with 140 members attending. The safety seminar was planned to maintain the Industry's safety focus on risk management. After the presentations facilitators actively engaged participants in a workshop to determine cause of incidents, and to determine prevention and core action plans.

2008 COLLIERY HEALTH AND SAFETY CAMPAIGN

Your Association has once again been actively involved in the 2008 Colliery Safety and Health Campaign launch which took place on 13 March 2008 and remains fully committed to the Campaign's ideals for the promotion of safety and health in the Mining Industry.

SENTINEL MINING INDUSTRY RETIREMENT FUND

The Association has actively participated and regularly received updates on performance through the South African Colliery Managers' Association's Trustee on the Sentinel Mining Industry Retirement Fund.

MINERALS ACT AND REGULATIONS

MINING QUALIFICATIONS AUTHORITY (MQA AND ENGINEERING COUNCIL OF SOUTH AFRICA (ECSA))

Your Association continues to have a very active role in the MQA and ECSA. During the year the following progress was made:

MPA Steering Committee

During the year the MPAs Steering Committee met on a regular basis to deal with the issues that arose regarding the new qualifications. More Associations are seeing the need to be aligned with the MPAs grouping and at this stage the following are involved to different degrees

- * SA COLLIERY MANAGERS ASSOCIATION (SACMA)
- * SA COLLIERY ENGINEERS ASSOCIATION (SACEA)
- * ASSOCIATION OF MINE RESIDENT ENGINEERS (AMRE)
- * ASSOCIATION OF MINE MANAGERS OF SOUTH AFRICA
- * 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 ENGINEERING (SANIRE)
- * MINE VENTILATION SOCIETY OF SOUTH AFRICA (MVS(SA))
- * AFRICAN MINERALS ASSOCIATION (AMA)
- * INSTITUTE OF MINE SURVEYORS OF SOUTH AFRICA

Implementation of an outcomes-based education and training-compliant dispensation in the SA Mining and Minerals Sector. The MPA Steercom participated in and made significant contributions towards the following achievements for 2008:

- An equivalency analysis performed on the certificates of competency (CoC) for managers and engineers issued by the DME concluded that automatic grandfathering be applied to persons in possession of such CoCs when they are replaced with the new OBET-compliant qualifications for certificated engineers and managers.
- The Standards Generation body (SGB) for Mining and Minerals held a very successful workshop on 18 March 2008 to resolve the framework of envisaged competency standards for Rock Engineering practitioners. This led to the establishment of a RE Steercom which will develop and coordinate the implementation of the said RE competency standards in the Industry.
- A service provider was established to undertake the long-awaited needs survey in the Industry for Senior Engineering Supervisors. The survey will commence in 2009.
- The SGB has approved the establishment of an Occupational Hygiene Steercom to develop and co-ordinate the Implementation of OBET-compliant competency standards for Occupational Environment Engineering and Hygiene practitioners in the SAM&MS.
- The SGB has established 2 working groups (1x mining and 1x engineering) to develop appropriate professional development (Stage 2) programmes for certificated engineers and managers which are intended to replace the current CoCs currently issued by the DME.
- The Management of Mines Task Team (MoMTT) has developed a proposed risk-based approach towards the classification of mines which may, among others, be used to specify the minimum competency requirements for CEs and CMs for different classes of mines.

- The technical reference group No. 29 has finalized the draft conceptual design of the level 5 National Higher Certificate in Mining Operations intended to be used to replace the Mine Overseers Certificate of Competency. The unit standards are been written.
- The generic level 5 National Higher Certificate in Engineering has been registered on the National Qualifications Framework.
- The generic level 6 National Advanced Certificate in Engineering has been registered on the NQF.
- The levels 6 and 7 generic Stage 1 (educational) engineering technology qualifications were revised and submitted for re-registration to the SA Qualifications Authority.
- The Stage 2 (professional competence) level 7 National Certificate: Certificated Engineers has been registered on the NQF.
- The proposed Identification of Engineering Work regulations has been forwarded to the Councils for the Built Environment.
- The heavily contested Built Environment Professions Bill has been withdrawn.
- The CE and CM Standards Generation Group of the Engineering SGB has commenced with the review of the registration requirements for CEs and CMs in lieu of the implementation in 2009 of the Higher Education Qualifications Framework.
- The IDoEW Acid Test Survey undertaken in the SAM&MS indicates that some 90 of persons who may need to register with ECSA are eligible to do so. The survey also indicates that only 22% of the persons who would need to register, are in fact registered.
- The Council of the Institute of Mine Surveyors of SA has decided to accept co-opted membership of the MPA Steercom.

ECSA has issued its approved policy on continuing professional development (CPD) which was implemented from 1 January 2006. Persons (individuals) registered with ECSA, will in due course receive official correspondence in this regard from ECSA. Person registered with ECSA will have to prove compliance with CPD requirements in 5-year cycles if they want to retain their registration with ECSA.

Your Association continues to encourage members to register with ECSA and in this way it will be in a position to influence ECSA's decision making process.

OCCUPATIONAL, HEALTH AND SAFETY POLICY COMMITTEE (OH&SPC)

Your Association is represented on the Occupational, Health and Safety Policy Committee of the Chamber of Mines by Mr W Marais, and a representative from the South African Colliery Engineers' Association.

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.

During the year under review the main emphasis has been to complete the regulatory review, however a number of issues of concern have been raised by the various stakeholders which showed the review and approval process down.

The Chamber, through OH&SPC appointed consultants to compile an acid test questionnaire to establish the possible impact that proposed regulations on practicing engineers in the Mining Industry may have on appointments. The results from a survey conducted have been issued.

At the Health and Safety Summit of 2008 it was agreed to establish a Mining Industry Occupational Health and leading Practices Adoption System. The appointment of teams to investigate best practices have been made and research is being carried out to identify leading practices to be nominated for adoption.

PAPERS AND TECHNICAL NOTES

Whilst it is noted that technical notes were presented during the year at Regional meetings, the call for the preparation and presentation of full technical papers has largely gone unheeded, and your Council would again urge that this matter receive urgent attention from members as these technical papers, besides being a valuable source for the dissemination of information, also serve as an educational tool for future mining engineers.

The following technical papers and presentations were made at the Association's General Meeting on 22 August 2008:

The Background and Impact of the Proposed New Council for the Built Environment Act for SACEA and their Operations	R E Jennings
Hood and Spoon Inertial Flow Belt Conveyor Transfer Systems at Greenside	R Clarke
Underground Coal Gasification	Ms L Hattingh
Continuous Miner – Overhaul Project	V Sibriya
At Regional Meetings during the year:	
Code of Practice “Trackless Mobile Machines”	F Hendriksz, DME
Flood Lighting on Continuous	N Lindeque, Kriel Colliery
Diesel Exhaust Filters for Underground Machinery	S Gledhill and R de Jersey, Micro Fresh Filters, Australia
Pump Efficiency at Twistdraai Export Plant	S Noodyial, candidate engineer, at Sasol Mining
Conveyor Belt Scales	L Delport
Electricity Supply in South Africa	D Kruger (Chamber of Mines)
ECSA Registration – “The Latest Requirements”	J du Plessis
Understanding SI Units	R Serwa
Collision Control in Opencast Mining Operations	P Redelinghuys, Earth Moving Equipment Manager, BECSA
Extending the Service Intervals on Engine Lubrication	M Magro, Candidate engineer, Landau Colliery, Anglo coal

MERIT AWARDS

Certificates of Merit were awarded to all the presenters who made presentations at General and Regional Meetings during the year

The standard and quality of technical papers presented during 2008 continue to be of high standard. The Editorial Committee has reviewed the 2008 papers presented at General and Regional Meetings and is pleased to award the Association's gold medal to Ms L Hattingh for her paper on "Underground Coal Gasification".

AWARDS SCHEME

Your Council introduced an awards scheme in 2000 utilizing the Association's surplus funds to promote the advancement of education within the engineering discipline of the Coal Mining Industry.

The award for the Best Certificated Engineer for 2008 was not made as no student passed their Plant and Law examinations at one sitting.

The best apprentice award for 2007/2008 at the Colliery Training College was awarded to Mr M Roux at a function in May 2008.

PRESIDENTIAL FUNCTION

The 2008 combined General Meeting and Annual Presidential Function was held at the Champagne Sports Resort 22 August – 24 August 2008. The function was attended by 94 members, the highest number yet and provided an opportunity for members and families to network and share information.

The successful Presidential function culminated with the traditional Black Tie banquet on 23 August 2008.

REPRESENTATION

The Council wishes to express its appreciation to all the representatives and alternates who continued to give their time to ensure that the Association was well represented and its views made known, in a most professional manner on various committees.

i) Influencing Policy

DME Intervention
Chamber of Mines – OH&SPC
- CM&EE
Standard Formulation (SAFA/SANS)

Z A Botha
Z A Botha
Z A Botha
H Zwart

ii) Skills Security

Young Talent Sub Committee
Commission of Examiners
ECSA – CPD
ECSA – Registration
MPA Steering Committee
Training and Development
• MQA
• CTC

J P Pearson
J P Pearson
J du Plessis/D
Wardle
J du Plessis/D
Wardle
C M Norden/D
Sichamba

A P Eckard

iii) <u>Growing the Footprint</u>	A P Eckard/J du Plessis
Website Branding Marketing Communication Visibility	H Zwart A P Eckard P E Mojalefa C M Norden L D Botha
iv) <u>Participation and Value</u>	
Heads of Engineering Service Providers Regional Meeting User Groups - Opencast - Underground - Plant	C M Norden J J Uys/I Williams M J Lourens/B de Kock G Gething L Kilian M Fanoë M Hyra J P Pearson
Small Mines Recognition and Awards	
v) <u>SACEA Governance</u>	
Finance and Administration Subscriptions • Sasol Mining • BECSA • Xstrata Coal • Anglo Operations • Exxaro Coal • Total • Others	D Wardle S W J van Wyk D Wardle J J Uys J J du Plessis L Kilian M Hyra B de Kock
Constitution	Z A Botha
vi) <u>Technical Excellence</u>	
Research (SIMRAC) Safety Workshop Coalsafe Technical Symposium	Z A Botha/D Wardle L D Botha Z A Botha S W J van Wyk

WEBSITE

The Association's website is operational and updated regularly. The website gives members valuable information on Association's activities as well as contact details for representatives on Council and other Committees. The address is www.sacea.org.za

GOLF DAY

The Association again hosted a highly successful golf day at Graceland on 8 November 2008. Council wished to place on record its thanks to Mr L D Botha for the organisation of the event and the sponsors who generously supported the occasion.

JOINT SACEA/AMRE GENERAL MEETING

A joint SACEA/AMRE General Meeting was held on 12 August 2008 at SACE Recreation Club. This is proving to be a very popular interaction between the two Associations.

Four presentations were made:

Rope Safety: Ropeload and Ropeload and Rope Deterioration	M van Zyl
Accidental Opening of Detachment Hooks	Dr J Wannenberg (Anglo American)
Rope Technology: Yesterday, Today and Tomorrow	R Wilson (Scaw Metals)
Legal Requirement of an Engineer with regard to Winders	A Coutinho (DME)

TECHNICAL SYMPOSIUM

A technical symposium, "Technology, Today and Tomorrow" was held on 13 April 2008. The following papers presented were:

Application for a New Mining Right	W Beech
The EMERST (Earth, Moving Equipment and Round Table Initiative	J Uys
Collision Avoidance and Personnel Warning with Vehicles Interaction	S Niven
Roof and Sidewalk Support –Robolter 5 Carousel Drill	J Scoobie
Determining the Capacity Critical Resource in an Underground Production Section	F van Heerden
Innovative Solutions for the SA Coal Mining Industry	C Veldman (JOY)
Smart Services – Taking Productivity to the Next Level	B Snyman (JOY)
Biogas Power Generators	S Tyne

The annual technical symposium will be held on 17 April 2009. This will be an ideal opportunity to showcase the technical knowledge of members of the Associations and will give the opportunity to share knowledge and network. ECSA continuing professional development credits will be awarded.

CONCLUSION

In conclusion I wish to express my appreciation to all members for their continued support and invaluable input throughout the past year. To the Council for the arrangements made for the SACEA golf day and for the organisation made for the safety seminar. Both these events were very successful and a credit to the enthusiasm and passion of the Association. To my *Secretary and the Association Secretary and his staff for their valuable assistance and guidance throughout the year and for the professional manner in which the affairs of the Association have been administered.

**C M NORDEN
PRESIDENT**

Areport2008/sacea/gjw