



SOUTH AFRICAN COLLIERY ENGINEERS' ASSOCIATION

**ANNUAL REPORT OF THE COUNCIL
FOR THE YEAR ENDED 31 DECEMBER 2009**

COUNCIL 2009

President

J P Pearson
Anglo Coal Project Services

1st Vice-President

M J Lourens
Sasol Mining

2nd Vice-President

D E Wardle
BHP Billiton Energy Coal South Africa

Immediate Past President

C M Norden
Sasol Mining

Regional Chairmen

Gauteng/Mpumalanga/ Free State Region

J J du Plessis
Anglo Operations Limited

Kwazulu Natal Region

W B J Pentz
BHP Billiton Energy Coal South Africa

Elected Members

L D Botha
Sasol Coal

Z A Botha
Sasol Mining

C J Bothma
Sasol Mining
(Co-opted)

A P Eckard
Sasol Mining
(Resigned)

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)

H K Loock
Xstrata Coal
(Co-Opted)

P E Mojalefa
Anglo Operations Limited
(Co-opted)

J W Nel
Exxaro Coal
(Co-opted)

D Sichamba
Sandvik Mining and Construction

A Smart
Anglo Operations Limited
(Co-opted)

I M Williams
Joy Mining

J J Uys
Anglo Operations Limited
(Co-Opted)

S W J van Wyk
Sasol Mining

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 2009

Presented to members of the Association on the occasion of the Thirty First Annual General Meeting held at the Graceland, Secunda on Thursday 18 February 2010.

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, Codes of Practice as well as safety targets and milestones set by the Mining Industry.

A strategic planning session was held in February 2009 to set out the Association's interaction with its various stakeholders during 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 Council issues a Newsletter after each Council meeting providing members some insight into Council affairs and updating members on the Association activities.

At the beginning of May 2009 to continue the intervention set in 2008 selected members of Council met with the Heads of Engineering from the major Mining Houses to discuss the Association's strategic plan for 2009 and for the Association to align itself with the objectives of each of the Mining Houses.

FINANCE

The financial statements appended to this report indicate that income for the year amounted to R684 405, 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 R760 826. Accumulated funds at the beginning of the year totaled R337 664 and with the transfer of the current year's net deficit of R76 421, an amount of R261 244 will be carried forward to 2010.

As part of the Association's objectives a successful golf day was held in October 2009 and the funds generated helped to reduce the current net deficit for 2009. The event also promoted fellowship amongst members. A safety workshop was held in October 2009 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 R740 (exclusive of VAT). The subscription for student members will be R220 (exclusive of VAT).

MEMBERSHIP

The membership of the Association as at 31 December 2009 was 332(287), made up of 201(190) Full members, 12 (5) Affiliate members, 97(71) Student Members, and 21(21) Honorary Life members.

There has been a net increase of 45.

Council records that 115 of its members are registered with ECSA as full members with 73 as Candidate Members in various categories.

Membership certificates are issued to new Full members of the Association on an 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 to the benefit of both Associations.

The eight Council and four 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 M Z T Masondo for maintaining close ties between the two Associations.

The User Groups had a successful year with regular meetings and several technical visits.

INTERACTIVE WORKSHOP – USERS AND PROVIDERS (Held in July 2009)

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 the Section 21 of the Mine, Health and Safety Act and contract management. 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, providing them the opportunity to experience other companies operations.

Technical Visits were undertaken to Richards Bay Minerals and BMW.

MEETINGS OF PRESIDENTS AND VICE-PRESIDENTS

The Association participated at the inter-Association meetings of Presidents and Vice-Presidents, held in June and November 2009.

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 at separate meetings with the President and senior representatives of the Chamber of Mines which take place immediately after the Caucus meetings.

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

- Economic Brief
- Eskom - Electricity
- ECSA – Licensing and Registration
- Occupational Health and Safety Policy
- Regulations, Codes of Practice and Guidelines
- Conveyor Belts
- Industrial Relations Issues
- Targets and Milestones – MOSH Adoption Teams
- Water
- Environmental Issues
- Chamber/MPAS Relationship

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 2009. These achievements will be acknowledged on 11 March at Coalsafe 2010.

ANNUAL SAFETY SEMINAR

The sixth safety seminar with five presentations, hosted by Sasol was held on 1 October 2009 with over 100 members attending. The safety seminar objective was 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.

2009 COLLIERY HEALTH AND SAFETY CAMPAIGN

Your Association has once again been actively involved in the 2009 Colliery Safety and Health Campaign launch which took place on 12 March 2009 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 Administrative and Financial Managers' Association's elected 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 MQA and ECSA. During the year the following progress was made:

MPA STEERING COMMITTEE

Your Association continues to play a very active, significant and recognized role in regard to the implementation of OBET-compliant competency standards in the SA Mining and Minerals Sector through external bodies and forums such as the Mining Qualifications Authority (MQA) and the Engineering Standards Generation Body (ESGB) through the MPA Steercom.

During the past year the MPAs' Steercom Committee met on a regular basis to deal with issues relating to the implementation of an OBET-compliant dispensation in the SAM&MS. More Associations are seeing the need to be aligned with the participating MPAs which are currently composed as follows:

Full (contributing) members: SACMA; SACEA; AMMSA; AMRE; MVS(SA)

Co-opted (non-contributing) members: CMEESA; SACPS; ASPASA; MMMA; SANIRE; SAIM&MS; AMA; IoMSSA and NCMMA

The MPA Steercom participated in and contributed towards the following achievements for 2009:

- The Engineering Standards General body (ESGB) re-established the dormant Standards Generation Group (SGG) for CEs and CMs to reconsider the appropriate Higher Education Qualifications Framework (HEQF)-complaint minimum educational standards for CEs and CMs as well as to review the current registration criteria for CEs and CMs.
- The ESGB established an SGG for the development of the following qualifications to complete the Frame-work of Engineering Qualifications i.e. Level 7, Advanced Diploma in Engineering and a Level 8, B. Eng. Tech. (Honours).
- The ESGB obtained agreement from relevant stakeholders for the qualification for Certificated Mechanical and Electrical Engineers and Certificated Managers (Mining) captured by the proposed draft Stage 2 Qualification at level 7 ("*broadly defined practice*") on the NQF. The participating Mines Professional Associations which include the SAIMM, have played a significant role in achieving this critical milestone. This generic qualification also provides the competency profile for practitioners in Factories, Transport and Marine Sectors.
- The ESGB/MPA's joint Task Team has produced an ECSA Position Paper: New Model for the Regulation of Certificated Engineers/Managers under the Built Environment Act 2000, Act 43 of 2000 and the Mine Health and Safety Act 1996, Act 29 of 1996 as amended;
- ECSA and the MPAs have jointly formulated the appropriate way forward for the registration of Mine Environment Engineering Practitioners with the ECSA;
- The SGG: Certificated Engineers of the ESGB has ratified the draft 140 Credits, Level 7, Advanced Diploma in Engineering to be appropriate as future minimum Stage 1 (educational) requirement for registration in the categories Candidate Professional Certificated Engineer and Professional Certificated Engineer;
- The SGG: Advanced Diploma of the ESGB has commenced with the development of a generic Level 8, B. Eng. Tech. (Honours) qualification which will serve the following purposes i.e. progression of learners in the Engineering Technology track to M. Eng. and/or D. Phil/D. Eng. research-based qualifications as well as substantial equivalence with the prescribed minimum

educational qualifications required for registration in the categories Candidate Professional Engineer and Registered Professional Engineer;

- The SGB Office has, with the assistance of a very competent facilitator and Community Expert Practitioners (CEPs), developed a draft QCTO (Quality Council for Trades and Occupations)-compliant Occupational Award (qualification) for Mine Overseers at Level 5 on the 10-Level National Qualifications Framework (NQF);
- A Rock Engineering Steercom were established in November 2008 to expedite the development of an appropriate Implementation Plan for the effective implementation of Outcomes-based Educational and Training (OBET) OBET-compliant competency standards for the RE Practice Area in the SA Mining and Minerals Sector. This will include the replacement of the current Chamber-of-Mines-of SA's certificate of competency. The Steercom has to date produced the Charter and concomitant Project Plan, Informatory Circular and a list of Questions and Answers;
- The Management of Mines' Task Team (MoMTT) of the M&MSGB has developed a draft Risk-based Classification of Mines;
- The M&MSGB has established Certificated Engineer Steercom and two Task Teams to develop appropriate Stage 2 (Professional development) Programmes for Certificated Engineers and Certificated Managers in the SAM&MS; and
- The needs survey for Senior Engineering Supervisors has concluded that there is no need to generate generic competency standards for SESs at mines.

THE ENGINEERING COUNCIL OF SA (ECSA)

Your Association continues to play a very active, significant and recognised role as recognised ECSA Voluntary Association with ECSA:

- The new Minister: Built Environment has decided to withdraw the Built Environment Professions Bill; and
- The joint Council for the Built Environment (CBE)/ECSA Task Team assisted by an independent Mediator, has reached agreement in regard to the required amendments to the proposed Identification of Engineering Work Regulations; and
- Phase II of ECSA's IDoEW Project will focus on the marketing and promotion of the proposed IDOEW Regulations. Numerous Institutions, Voluntary Associations as well as other interested and affected parties have been visited during 2009 to familiarize them with the said proposed IDoEW Regulations.

Mr C M Norden, Past President, has been elected to the ECSA Council.

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 A Smart.

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 to be inadequate.

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 engineers.

The following technical papers and presentations were made at the Association's General Meeting on 28 August 2009:

- * Impact of the ILLIMA Shift in Light of the Power Conservation Programme by E Lemmer
- * EMESRT Initiatives: Alignment to Current Fatal Risk Standards by M Theusen
- * Instrumentation Unplugged: HASOPS Studies by M Barton

The following technical presentations were made at the Association's Regional Meetings during the year:

- * Safe Handling of Radiator Cap by G Q Gething (Anglo Coal)
- * Maintenance Management by Ms S Cruywagen (Xstrata Coal)
- * Continuous Improvement of Underground Coal Mining Operations by H Swart (Joy Mining)
- * SACEA Strategic Plan 2009 by Mr M J Lourens, Vice-President
- * Competition Act by Mrs M Steyn (Sasol).
- * Concrete by Mr B Lephegole (Xstrata Coal)
- * Taking a Rim View by Mr I Ray (Rimex)
- * Coal Mining Research by J Beukes
- * Re Building Primary Plant (Xstrata Coal) by J Diedericks
- * Facing Compliance and Mining Challenges by D Collins

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 2009 continue to be of high standard. The Editorial Committee has reviewed the 2009 papers presented at General and Regional Meetings and is pleased to award the Association's gold medal to Mr E Lemmer for his paper entitled "Impact of the ILLIMA Shift in Light of the Power Conservation Programme".

AWARDS SCHEME

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

The best apprentice award for 2008/2009 at the Colliery Training College was awarded to Mr G de Beer at a function in May 2009.

PRESIDENTIAL FUNCTION

The 2009 combined General Meeting and Annual Presidential Function was held at the Protea Hotel Kruger Gate Lodge 28- 30 August 2009. 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 29 August 2009.

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.

<p>i) <u>Influencing Policy</u></p> <p>DME Intervention Chamber of Mines – OH&SPC - CM&EE Standard Formulation (SAFA/SANS) Safety FRS</p>	<p>S W J van Wyk/A Smart A Smart H Zwart/M Hyra H Zwart J J Uys</p>
<p>ii) <u>Skills Security</u></p> <p>Young Talent Sub Committee Commission of Examiners ECSA – CPD ECSA – Registration MPA Steering Committee Training and Development</p> <ul style="list-style-type: none"> • MQA • CTC • M&M SGB • Chief Foreman Qualification 	<p>B Looock/Z A Botha J P Pearson J du Plessis/D Wardle J du Plessis/D Wardle C M Norden/M J Lourens/J P Pearson</p> <p>Z A Botha Z A Botha Z A Botha M Hyra</p>
<p>iii) <u>Growing the Footprint</u></p> <p>Website Branding Communication</p>	<p>H Zwart L D Botha Secretary</p>
<p>iv) <u>Participation and Value</u></p> <p>Heads of Engineering Service Providers Regional Meeting User Groups - Opencast - Underground - Plant Small Mines Recognition and Awards</p>	<p>President J J Uys/I Williams J J du Plessis G Gething L Kilian M Fanoe M Hyra Vice-Presidents and Regional Chairmen</p>
<p>v) <u>SACEA Governance</u></p> <p>Finance and Administration</p>	<p>D Wardle</p>

<p>Subscriptions</p> <ul style="list-style-type: none"> • Sasol Mining • BECSA • Xstrata Coal • Anglo Operations • Exxaro Coal • Mining Contractors <p>Constitution and Code of Conduct</p>	<p>S W J van Wyk D Wardle B Loock J J du Plessis L Kilian M Hyra</p> <p>Z A Botha</p>
<p>vi) <u>Technical Excellence</u></p> <p>Research (SIMRAC) Safety Workshop Coalsafe Technical Symposium EMTAC</p>	<p>Z A Botha/D Wardle L D Botha/A Smart Z A Botha S W J van Wyk C J Bothma/D E Wardle</p>
<p>vii) <u>SANS</u></p>	<p>M J Lourens/H Zwart</p>

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 31 October 2009. 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 11 August 2009 at Kloof Recreation Club. This is proving to be a very popular interaction between the two Associations.

Two presentations were made:

- * Eimco 26 Hydraulic Conversion by Mr J du Toit (AMRE)
- * Surface Mobile Equipment Collision Avoidance by P Redlinghuys (SACEA)

JOINT GENERAL MEETING OF COAL ASSOCIATIONS

A Joint General Meeting was held on 19 November 2009 at which the following presentations were made:

- * Underground Coal Gasification by Mr M Beeslaar
- * Fraud and Corruption Forensic Investigation by Adv W Bouwer
- * Anti Trust Legislation by Mr B Irsigler

- * Building a Safety Legacy Using our Nation's Passion for Soccer by Messrs G Emmett and A Arendse

TECHNICAL SYMPOSIUM

A technical symposium, "Leveraging Technology in Sustaining Momentum for Safer and Healthier Operations!" was held on 17 April 2009. The following papers presented were:

- * Medium Voltage Sub-Station Practices by Dario Campeti (Dario Campeti & Associates)
- * A View on Tyre and Rim Safety Management by Ian Ray (Rimex)
- * An Integrated Approach to Risk Management by Lebeaux Mulder (Expectra)
- * Working on Heights by Herkies Terblanche (Goedgevonden – Xstrata Coal)
- * Proximity Detection Trial at Sasol Mining by Jaco Duvenhage (Sasol Mining)
- * Traffic Awareness and Collusion Avoidance for Surface Mobile Equipment by Steve Niven (Anglo Coal)
- * Explosion Prevention: Electronic Equipment Installations in Hazardous Areas on Mines by Ludolph de Klerk (Sasol Mining)
- * The latest Automation Features for Shearer Loaders by Reinhard Jahn (Eickhoff South Africa)
- * Trolley Assist to Optimise Hauling Cycles with Electric Trucks by Vicente Alvarado (Grootegeluk Coal Mine)

The Council wishes to thank Mr S W J van Wyk for sustaining this initiative.

The annual technical symposium will be held on 22 April 2010. 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.

**J P PEARSON
PRESIDENT**

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