



SOUTH AFRICAN COLLIERY ENGINEERS' ASSOCIATION

**ANNUAL REPORT OF THE COUNCIL
FOR THE YEAR ENDED 31 DECEMBER 2013**

COUNCIL 2013

President

L Kilian
Exxaro Coal South Africa

1st Vice-President

G Q Gething
Glencore

2nd Vice-President

J W Nel
Exxaro Coal South Africa

Immediate Past President

J J du Plessis
Anglo American Thermal Coal

Regional Chairmen

Gauteng/Mpumalanga/ Free State Region

S N S Buthelezi
BHP Billiton Energy Coal SA

Kwazulu Natal Region

E Trouw
Msobo Coal

Limpopo Region

J Sithole
Exxaro Coal South Africa

Elected Members

A Bezuidenhout
Sasol Mining

L D Botha
Sasol Mining

Z A Botha
FLSmith (Pty) Ltd

C S Booyens
Anglo American Thermal Coal
(Co-Opted)

J S Buckle
Coal Mine Management Services

J Diedericks
Glencore

P E Mojalefa
Anglo American Thermal Coal

M Munzhelele
Sasol Mining
(Co-Opted)

P S Redlinghuys
BHP Billiton Energy Coal South Africa

J Prinsloo
Ledjadia Coal
(Co-Opted)

T Subermoney
Sasol Mining

M E Thuesen
Anglo American Thermal Coal

L D Turvey
Total Coal South Africa

W Wolmarans
Sasol Mining
(Co-Opted)

H Zwart
Consultant

Secretary

Mr S J Orchardson
Association Secretary

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 2013

The annual report presented to members of the Association on the occasion of the Thirty Fifth Annual General Meeting held at the Grace land Casino, Secunda on Thursday 13 February 2014.

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 2013 to set out the Association's interaction with its various stakeholders during 2013.

The following priorities were identified and progressed through the year:

- Expanding on Diversity on Council
- Young Talent Forum
- Active Participation in Key Industry Forums eg: OH&SPC and MPA's
- Fatal Risk Protocol
- Passion for the Association and its activities.
- Stage 2 Qualifications for engineers.

As part of the process Council issues a Newsletter every quarter providing members some insight into Council affairs and updating members on the Association activities. The Council also issues a communication sheet after each meeting for circulation to Heads of Engineering and members.

The Council met with the Heads of Engineering from the major Mining Houses to discuss the Associations' strategic plan in January 2013 and then again in May 2013 to align itself with the objectives of each of the Mining Houses. This intervention continues to grow in importance and provides a unique opportunity to network with the Mining Houses representatives.

FINANCE

The financial statements appended to this report indicate that income for the year amounted to R made up of subscriptions received during the year from Full and Student members, interest received from investments, Chamber of Mines publication subsidy and the successful technical symposium, safety workshop and golf day.

Expenditure amounted to R giving a surplus of R . Accumulated funds of R will be carried forward to the new financial year.

The successful technical symposium in June 2013 continues to generate funds for the Association and thanks go to Mr M E Thuesen, and his small but highly motivated team for making it a continued success.

As part of the Association's objectives a successful golf day was held in November 2013 which generated an amount of R . The event also promoted fellowship amongst members. A safety

workshop was to be held in October 2013; however this was cancelled as the mines were not able to provide the necessary papers on the topic. The Council thanks Mr L D Botha for his excellent work in making the golf day so successful.

The accumulated funds have been used to fund the Association's initiatives on the position of the certificated engineer, licensing, registration as well as an amount donated to charity. The amount to charity has been increased significantly in comparison to previous years due to the good standing of the Association's finances. The Council regularly strategizes 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 (2013) for Full and Affiliate members would increase to R1080 (exclusive of VAT). The subscription for candidate members will be R1080 (exclusive of VAT).

MEMBERSHIP

The membership of the Association as at 31 December 2013 was 382 (388), made up of 196 (201) Full members, 35 (30) Affiliate members, 134 (139) Candidate Members, and 14 (18) Honorary Life members.

There has been a net decline of 6.

Council records that the percentage registered with ECSA as full members still complies with ECSA's requirement for SACEA to be recognized as a voluntarily Association with ECSA . Membership certificates are issued to new Full members of the Association on a regular basis at Regional Meetings.

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 nine Council meetings were held during the course of the year.

During the year under review, Kwazulu Natal Regional and Limpopo Regional meetings were combined with those of the South African Colliery Managers' Association. The Council is pleased that Mr E Trouw has recently taken the role of the SACEA representative for the Southern regional.

The Limpopo Region continues to gather momentum under the guidance of Mr. J Sithole.

The nine Council and the Regional Meetings, a General Meeting and Joint Meetings with AMRE and SACMA were well supported during the year and shows the commitment by members to the Association.

Once again your President was invited to attend Council Meetings of the South African Colliery Managers' Association and wishes to thank its President, Mr G Van Der Westhuyzen for assisting in maintaining close ties between the two Associations.

The User Groups (Opencast and Plant) had a successful year with regular meetings and several technical visits. The Underground User Group unfortunately only managed to meet once this year which is disappointing, but a new Chairman has been identified for the coming year. Each User Group had a Council appointed Chairperson who ensures regular meetings and visits of interest.

YOUNG TALENT

The SACEA Young Talent forum which made SACEA a household name to Engineering Professionals in training (PIT's) in 2012 continued its good work through the efforts of Ms C Booyens. Events were arranged to assist PIT's with gaining exposure, signing off Annexure E requirements and networking, including a GCC Workshop and technical visits.

To encourage networking Ms C Booyens arranged a SACEA Social event in collaboration with Pragma on 11 April 2013.

S Naidoo has created a junior engineer website, (<http://www.jnreengineer.co.za>) to assist PIT's in sharing information, preparing for the GCC examinations and. Past exam papers and some DMR guidelines can also be obtained through the website. SACEA Young Talent ensured this information has been shared to all PIT's on SACEA's member database.

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.

There were a number of Technical visits arranged by the Underground, Opencast and Plant Users Committees.

MEETINGS OF PRESIDENTS AND VICE-PRESIDENTS

The Association participated at the inter-Association meetings of Presidents and Vice-Presidents, held in June and November 2013.

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 Presidents and Vice-Presidents the meetings.

Matters discussed and reports received at meetings with the Chamber at the June and November 2013 meeting included inter alia:

- Industrial Relations
- Learning HUB Update
- Mining Charter
- Enforcement Guidelines
- Safety performance
- Targets and Milestones – MOSH Adoption Teams
- Dust and noise
- Environmental and Water Issues
- Eskom

SAFETY AND HEALTH

MINE SAFETY ACHIEVEMENTS

The Association through Council continues to place a high priority on safety improvements, risk assessment and the elimination of accidents. Reports by members are made at all Association meetings and the DMR is invited to Regional meetings to address members.

Congratulations to the management and staff of all the mines who had safety achievements during 2013. These achievements will be acknowledged on 16 April at Coalsafe 2014.

ANNUAL SAFETY WORKSHOP

The Council reports that 2013 workshop normally held in the last quarter of the year was cancelled as it was not possible to get enough presentations from mines to make it worthwhile.

2013 COLLIERY HEALTH AND SAFETY CAMPAIGN (COALSAFE)

Your Association has once again been actively involved in the 2013 Colliery Safety and Health Campaign launch which took place on 18 April 2013 and remains fully committed to the Campaign's ideals for the promotion of safety and health in the Mining Industry.

MINESAFE 2013

Your Association also took part in the Minesafe 2013 at Emperors Palace in October 2013. Minesafe 2013 was the third joint collaboration of hard rock and coal mines on safety, occupational hygiene, environment and community, ending with presentations of safety achievements.

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 (STEERCOM)

The majority of Associations have resigned from the Mine Professional Associations Steering Committee with only SACEA and SACMA remaining. The Council will review the future strategy during its strategic session planned for February 2014. Mr D van Niekerk is the consultant to the MPA steering committee.

THE ENGINEERING COUNCIL OF SA (ECSA)

Your Association continues to play a very active role as a recognised Voluntary Association within ECSA.

The Association continues to meet its Voluntary Association status with ECSA and was recently granted its renewal of its VA status for a further 5 years.

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

The Council would like to thank Mr J W Nel for his attendance and contribution.

The main focus of this committee is to represent employer bodies at a Chamber level on redrafting of legal requirements and other issues that may affect the Industry.

One of the focus areas was the representation of the Industry at the DMR to review the requirements of the conveyor regulations which were subsequently gazetted during the year

SENTINEL 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 Retirement Fund.

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 presentation was made at the Association's General Meeting on 6 September 2013:

- * ECSA registration process by Mr JP Pearson
- * The relationship between good housekeeping and compliance by Mr LD Botha.
- *

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

- * DMR regional report 2012 by Mr L Bezuidenhout
- * Implementing successful solutions to brown fields process challenges by DRA
- * Fail safe brake systems by AIM
- * Conveyor quality assurance and application by Dunlop
- * Registering as a Professional certificate Engineer with ECSA by Mr A Bezuidenhout
- * Fatigue Management – seeing machine on trucks by Mr T Roets, Klipspruit
- * New Legislation in the Mining Industry by Mr T Marumo
- * DMR Presentation and a discussion on the regulation amendments of the MHSA Chapter 8 (by Aaron Nkosi, Equipment Inspector, Mpumalanga Region)
- * Conveyors Manufacturing Association (CMA)'s perspective on the amendments of the MHSA Chapter 8 (by Simon Curry, Chairman of the CMA)
- * Cleaning near moving conveyors project feedback (by Jeroen Maaren, Coaltech)
- * Conveyor safety devices online testing system demonstration (by Meyer Naude)
- * ExploSpot system: an explosion detection and suppression system (Michael van Niekerk, CEO)

MERIT AWARDS

Certificates of Merit were awarded to all the presenters (members of the Associations) who made presentations at General and Regional Meetings during the year.

The standard and quality of technical papers presented during 2013 continue to be of a high standard. The Editorial Committee has reviewed the 2013 papers presented at General, Regional Meetings and the Technical Symposium is pleased to award a merit award for the best paper to Mr [redacted] for his paper entitled “ [redacted] ”

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 2012/2013 at the Colliery Training College was awarded to Mr J Pretorius at a function in May 2013.

award for the Best Candidate engineer in 2013. (waiting details)

award for the Best certificated engineer in 2013. (waiting details)

PRESIDENTIAL FUNCTION

The 2013 combined General Meeting and Annual Presidential Function was held at the Champagne Sports Resort in the Drakensburg on 5-8 September 2013. The function was attended by 54 members 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 7 September 2013.

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.

<u>Representation and Key Performance Areas.</u>		
i)	<u>Influencing Policy</u>	
	DMR Intervention Chamber of Mines - OH&SPC - CM&EE	President J Diedericks/J W Nel J Buckle/ W Wolmarans
	Standard Formulation (SAFA/SANS/65) MOSH SACEA/SACMA Steering Committee Safety FRS SANS TC 82 & 66 EMESRT Safety Workshop Conveyor Regulations MRS	A Bezuidenhout J Subermoney G Q Gething/JW Nel P Redelinghuys W Wolmarans M Thuesen P Munzhelele/ L Botha J W Nel J Du Plessis/W Wolmarans
ii)	<u>Skills Security</u>	
	Young Talent Development	C Booyens/ P Redelinghuys/Z A Botha
	Commission of Examiners (GCC) ECSA – Registration	P E Mojalefa A Bezuidenhout/J Prinsloo
	MQA MQA SGB ESGB	Z A Botha/G Gething Z A Botha/ S Buthelezi PE Mojalefa/S Buthelezi/ J Sithole
	CTC	Z A Botha/ P Redelinghuys
iii)	<u>Branding and Communication</u>	
	Website	P Redelinghuys/ S Buthelezi
	Branding Communication Finance and Budgeting SACEA Hymn Sheet	C Booyens C Booyens L Kilian/ J Du Plessis President & representatives
	HOE Engagement	President

		& representatives
iv)	<u>Participation and Value</u>	
	Legal Awareness	L D Turvey/G Q Gething
	Regional Meetings	S Buthelezi/ J Sithole/ E Trouw
	User Groups - Opencast - Underground - Plant	L D Turvey P Redlinghuys J Diedericks
	Small Mines	J Buckle
	Golf Day Presidential Function Recognition and Awards	L D Botha President Vice-Presidents & Regional, User Group Chairman
v)	<u>Technical Content Delivery (Excellence)</u>	
	CPD Administration (ECSA)	J J Du Plessis/A Bezuidenhout
	Limpopo Expansion Technical Symposium Safety Workshop Coaltech & Research SACEA Diversity	J W Nel/J Sithole M Thuesen P Munzhelele President
vi)	<u>SACEA Governance</u>	
	Finance and Administration Subscriptions	G Q Gething/L D Botha
	• Sasol Mining	L D Botha
	• BECSA	P Redlinghuys
	• Xstrata Coal	G Q Gething
	• Anglo Operations	P E Mojalefa
	• Exxaro Coal	L Kilian
	• Mining Contractors	J Buckle
	• Service Providers	Regional Chairman
	Code of Conduct Constitution Annual General Meeting 2014 Annual Strategic Session 2014 Council Meetings MPAS Committee of Management	Z A Botha J Du Plessis G Q Gething G Q Gething President J W Nel/S Buthelezi/ G Q Gething

WEBSITE

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

GOLF DAY

The Association again hosted a highly successful golf day at Graceland on 9 November 2013. 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

The annual joint SACEA/AMRE General Meeting, hosted by AMRE, was held on 13 August 2013 at the Kloof Country Club, Glenharvie. This is proving to be a popular interaction between the two Associations.

A technical visit was held to the new steel headgear at South Deep Mine, followed by three presentations:

- * Gieta Gold Mine Sag Mill upgrade by J Jansen Van Rensburg
- * Mill Self- Disengagement Barring Systems by J Jansen Van Rensburg
- * Add car project at Glencore by P Marsay

JOINT GENERAL MEETING OF COAL ASSOCIATIONS

A Joint General Meeting was held on 14 November 2013 at which the following presentations were made:

- * MOSH Adoption: Transport and Machinery PDS by Mr D Van Der Merwe (SACEA)
- * Mine Rehabilitation and mine closure by Mr T Davids (SACAFMA)
- * Careers for safety managers by Mr W Longueira (SACEPA)
- * 2013 wage negotiations by Dr E Strydom (SACHRA)

TECHNICAL SYMPOSIUM

A technical symposium, "Safer, Better, Faster" was held on 20 June 2013. The following papers presented were:

- Truck bumper progress (Hennie Klopper –Anglo American)
- Dragline Bucket Development (Stephen Sester - ESCO)
- Haul truck brake testing (Iwan Labotski – EXXARO)
- Highwall mining experience- ADDCAR (P Marsay– Glencore)
- SASOL Underground Collision Avoidance Systems (Frederick Schwab –SASOL Mining)
- Dragline boom crack detection (Rudolf Jahn - BECSA)
- Active tyre pressure inflation system (Adrian Hohls – Anglo American))
- Haul truck rim failures (Prince Malatji – EXXARO)
- Mining machinery access systems (C Gray and H Gray– Trysome)
- Conveyor Safety (Simon Curry –Conveyor Safety Association)
- PDS System development for Thermal Coal Underground (Anton Lourens -Booyco Electronics)
- Air filter extension on surface drills (Herman Heukelman - BECSA)

The Council wishes to thank Mr M E Thuesen for sustaining this initiative.

The next annual technical symposium will be held on 19th June 2014. 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.

WORKING AT HEIGHTS AND LIFTING OPERATIONS SYMPOSIUM

SACEA participated in a Working at Heights and Lifting Operations International initiative that was held on 18 September 2013. The symposium was well attended and supported by Industry.

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 Technical symposium. These events were very successful and a credit to the enthusiasm and passion of the Association. To my Secretary and the Association's Secretary for their valuable assistance and guidance throughout the year and for the professional manner in which the affairs of the Association have been administered.

L KILIAN

PRESIDENT

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