

SACAA



FLASHES

*Issue 32 – May
2018*

THE MEDIUM (since 2010) FOR QUICK ELECTRONIC COMMUNICATIONS WITH THE MEMBERS OF THE SA COAL ASH

INTRODUCTION

This issue is an attempt to keep all members of SACAA abreast with what has been happening in our association.

On the SACAA website upgrade, we have had very positive feedback. Please check it out - www.coalash.co.za

I have included some international news emanating of SACAA communications and engagements with other Ash Associations.

Also covered in this issue is feedback on the DEA – SACAA meeting that was held on 4 May 2018 as well as our intended roadshow scheduled for June 2018.

Kind regards

Mark Hunter

SACAA GM

WELCOME - WELCOME - WELCOME

The South African Coal Ash Association (SACAA) would like to welcome Andre Wilson from Ashcor (Pty) Ltd and Wesley Soutter from Zetland Technologies as new ordinary members. Welcome and remember you get more out of the association by being involved in our activities, as it is there that networking on ash matters take place.

Once again, we welcome all new members.

ASPASA and SACAHOSTING A JOINT ROADSHOW

By now you would have received the invitation to the first roadshow to Lephalale on 5/6 June 2018. This venue was selected for several reasons, the first is to expose our members to the giant Power Station Medupi site tour. This is an enormous project that South Africa should be proud of, notwithstanding all the press stories. The attraction is that this power station has both construction and commercial operations, where the tour will include the ash dump site.

Further, to make the community and business aware of the Ash being a resource and not a waste we are hosting an ash workshop with some talks and practical demonstrations, and so encourage the emergence of Jobs, GDP growth and Environmental reduction by using ash.

Hope to see you there!!!

INTERNATIONAL NEWS

To broaden the South African news on ash, SACAA has submitted an article on the Maputo Bridge and infrastructure project for inclusion in an ASH AROUND THE WORLD publication that will be published in the USA during July 2018. This project used 100 % of South African Fly Ash and is a success story that needed some international exposure.

Richard Kruger (Past President) and myself participated in a 2-hour web meeting on April 16 with our international partners from Europe, Asia, Poland, Russia, India, Israel, Australia and USA under the banner of World Wide Coal Combustion Products Network (WWCCPN) and the Chairmanship of Hans-Joachim Feuerborn of ECOBA.

Feedback was given by each delegate on events, statistics and ash related matters, and have I included some of the feedback for your interest and information sharing.

❖ NATIONAL COAL ASH BOARD (NCAB)

Please find attached an opinion document made by Dr. Nadya Teutsch from the Geological Survey of Israel (GSI), considering the Du et al. (2018) research paper on mercury release from fly ash and hydrated fly ash cement pastes.



EmissionMercuryFly
AshConcreteCement

❖ ASH DEVELOPMENT ASSOCIATION OF AUSTRALIA (ADAA)

The advertisement features a book cover on the left titled 'Coal Combustion Products' with a diagram of 'CCPs'. To the right, the text reads 'Coal Combustion Products FactBook' followed by three bullet points: 'Introduction to the world of CCPs', 'Understandable, easy to read concepts and ideas', and 'Electronic E-Book available for Apple, Android and Amazon'. A red starburst graphic on the right says 'BUY ONLINE NOW' with 'CLICK HERE' below it. Below the entire graphic, the text reads 'Coal Combustion Products - "A valuable Resource"'

SACAA also sent out some upcoming international conference information.

TECHNICAL TALK

The Technical talk at the 9 May 2018 was conducted by Charlotte Badenhorst who is currently doing a Ph.D in Geology at the University of Johannesburg focusing on coal conversion ashes, where she shared her research on Charphite as a replacement for graphite. The talk entitled “**Char extracted from coal ash as a replacement for natural graphite – Charphite**” covered the proposed project that forms part of an ERA - MIN collaboration between Portugal, Romania, Poland, Argentina and South Africa. The aim is to determine whether or not the unburned carbon found in fly, bottom and gasification ashes, can be extracted, graphitized, commercialized and used as an alternative for natural graphite. Charlotte we appreciate you coming to share your research and insights with the SACAA members. Well done and good luck with your studies.

Thank you, Charlotte.

DEA - SACAA FEEDBACK MEETING

The Department of Environmental Affairs (DEA) invited the SACAA Manco to a feedback session on the Phakisa Initiative, Waste minimisation outcome and requirements.

The word Phakisa (means hurry up) is a Government led initiative to derive benefits for various value chain streams. One has already heard and read about the **Oceans Economy** that was launched and is operational by the previous President Jacob Zuma, where there are several different initiatives to gain growth, jobs and infrastructure for the better South Africa. The concept was developed in Malaysia, where the impact was so great and reduced the crime rate as well as creating an economy and was thus adopted for South Africa.

The waste stream Phakisa Initiative spent 6 weeks in a dedicated workshop, comprising government, industry, academia, scientists, associations and subject matter experts to go through a facilitated programme, to unpack all the waste streams and come up with various initiatives. The baseline waste data was 2012 statistics, where **ash** came as the second largest waste stream, hence it will form its own Phakisa Initiative.

The Initiatives have three targets: Increase GDP; Grow Jobs: and Reduce the impact on the environment

❖ WHAT DOES THIS MEAN!!!!

Once the Phakisa Initiative on waste has been signed off by the Minister of DEA and the President of South Africa, the various streams will commence with advertising and suggested outcomes to achieve the benefits for the people of South Africa.

❖ The Ash Stream

As this initiative needs to have a dedicated focus, DEA have looked at SACAA to consider the facilitation of the ash stream. Naturally this cannot be done on the current structure and budget, so a lot of thought needs to go into the best methods and operations for SACAA to respond to DEA within a reasonable time. Workgroups with different industries, academics and associations will need to be facilitated. DEA will play an oversight on the progress.

The targets have been set by the Phakisa workstream, so things will have to be done differently and with purpose, as South Africa needs to prosper from waste reduction.

- GDP Growth
- Job creation – 127 000 new jobs
- Target of utilising at least 19 % of the ash that goes to landfill.

Lots of challenges and opportunities, so everyone of you must put your thinking caps on.

SACAA - ANNUAL GENERAL MEETING

The AGM is scheduled for 15 August 2018. Please diarise as this is your association and where decisions are made for the next year.

ALL FOR NOW

Regards

SACAA GM