



MEDIA RELEASE

Waste industry experts to lead the debate at Landfill 2015

Immediate Release

12 August 2015



Caption: Top international experts in the fields of Landfill and Alternative Waste Treatment will speak at this year's Landfill Conference and Exhibition – Landfill 2015 themed 'Advances in Waste Treatment and Engineered Landfill Environment'. Professional civil engineer, Warren Hornsey (left picture) and Managing Director of Cape Advanced Engineering (Pty) Ltd (CAE), Dr Andrew Taylor (right picture) are the two riveting keynote speakers at Landfill 2015. The conference and exhibition are set to take place from 15 to 16 September 2015 at the Waterval Country Lodge in Tulbagh, Western Cape.

Organised by the Institute of Waste Management of Southern Africa (IWMSA), the Landfill and Waste Treatment Interest Group (LAWTIG) and GigsA, Landfill 2015 will offer delegates the opportunity to be at the forefront of the latest waste management techniques and developments, as well as brushing shoulders and sharing ideas with leaders in the Landfill and Alternative Waste Treatment industries.

"We are very excited to be hosting Landfill 2015 in the Western Cape this year. Landfill Construction and Operations; Waste Transportation; Civil and Geotechnical Engineering; Geosynthetics; Waste Compaction; Waste Treatment Equipment; Refuse Derived Fuels; Waste to Energy Plants and Funding

Models are just some of the thought-provoking topics up for discussion during this year's conference," says Pieter Kriel, Chairman of LAWTIG.

Warren Hornsey, professional civil engineer with experience in Africa, UK and Australia will be speaking about Australian Landfill regulations and how they compare to South African regulations. He will also touch on the impact these regulations have on geosynthetic development.

Hornsey is the Director of TRI Australasia, an independent geosynthetic testing and analysis laboratory, based on the Gold Coast in Queensland. He is directly responsible for all geosynthetic testing and support in the Australasian region. His current role means he is involved with landfill quality assurance on a daily basis and has regular interaction with regulators, designers, installers and manufactures on landfill matters.

His presentation will give an insight into the development of landfill regulations in Australia and how they vary between autonomous states based on different philosophical views of the state's responsibility to protect the environment. A broad overview of each state's regulation will be presented highlighting their strengths and limitations.

Dr Andrew Taylor will be discussing the topic of bio-gas power generation in the South African context.

Taylor is a specialist in the fields of alternative fuels and power machinery, particularly engines used for electric power generation. He has expertise in a range of technologies for the transformation of various forms of bio-mass into usable fuel or energy, and the production of natural fertiliser as a by-product.

Taylor is the Managing Director of Cape Advanced Engineering (Pty) Ltd (CAE), which he set up in 1993 as an automotive testing unit within the Department of Mechanical Engineering at the University of Stellenbosch, and privatised in 1999. Between 1993 and 2012, he has overseen CAE's involvement in the support of various locally manufactured automotive products such as the Ford RoCam engine, which has been used in the Ford Bantam and Fiesta models locally, and of which more than 1.5 million units have been exported; the fuel injected versions of the VW Citi Golf, Golf and Jetta; and the EA111 engine used in the recent VW Vivo and Polo models, as well as products such as rail locomotives.

Taylor's presentation will shed light on the unique approach needed towards establishing bio-gas generation projects in South Africa while facing a combination of challenges that include low electricity costs, limited investment capital, high interest rates, electricity insecurity and denial of access to the national power grid. Local technical solutions addressing the low electricity cost, limited investment capital and high interest rates have been developed and implemented at a number of project sites, and one of these projects – at a large scale dairy farm – will be presented and discussed. Some of the reasons for this project being feasible are highlighted and discussed together with the operational experience from the plant.

“The speakers lined up for Landfill 2015 will share pertinent information regarding waste treatment and engineered landfill environment – it is a must attend for all operating in the waste industry,” concludes Kriel.

For more information and to register for Landfill 2015, please visit <http://www.iwmsa.co.za/site-content/landfill-2011-8.html>.

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Note to Editors:

As one of the industry’s most prominent industry events, this conference will draw interest from numerous decision makers from within government and the private sector, as well as prospective users, academics, vendors and suppliers, policy makers and national organisation representatives who operate in the arena of Landfill and Alternative Waste Treatment.

Warren Hornsey has 18 years’ experience in geosynthetic design, manufacture and R&D, he is currently Chairman of Standards Australia CE20 committee on geosynthetics and committee member of the International Geosynthetics Society. He has published over 20 peer reviewed papers covering a range of geosynthetic applications and has a passion for all things geosynthetic related.

Out of the development of gas-fuelled engines and familiarity of dealing with high current electrical equipment, CAE has extended its operations to include the development and construction of bio-gas power generation plants. Dr Andrew Taylor and CAE have designed and built a number of agricultural application bio-digesters suitable for power generation across South Africa since 2008.