

This issue

The Waste Information Today

A Quarterly newsletter that is aimed at communicating the Department of Environmental Affairs (DEA) Branch: **Chemicals and Waste Management projects.**

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Extrupet's new B2B plant closes the loop

P1 – P2

2014 Health Care Risk Waste Treatment Figures

P3

Norms and Standards

P3

EXTRUPET'S NEW B2B PLANT CLOSES THE LOOP



From Left: Mr Vijay Naidu, Mr Mark Gordon, Minister Edna Molewa, Mr Anben Pillay and Mr Chandru Wadhvani.

The Minister of Environmental Affairs, Ms Edna Molewa officially opened Africa's first Coca-Cola approved bottle-to-bottle recycling plant at a gala event hosted by Extrupet at their Wadeville site, in Gauteng on 15 May 2015. The event was attended by amongst others, guests from Government, PET industry, President of Coca-Cola Southern Africa, Therese Gearhart, Extrupet joint Managing Directors, Chandru Wadhvani and Vijay Naidu, Extrupet Chairman, Laju Chanrai and PETCO CEO, Cheri Scholtz.



environmental affairs

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The 3 000m² Starlinger Plant installed at a total cost of R75 Million will supply an additional 14 000 tons of Extrupet Phoenix PET resin per year to the PET packaging industry, especially the carbonated soft drinks bottle market. In a bid to contribute towards the Recycling Economy, the plant will divert an additional 22 000 tons of post-consumer PET bottles from landfills each year and thereby reducing resource consumption, creating job opportunities and also assisting the government in meeting the 50% recycling rate by 2015.

The Chairman of Extrupet stated that the company is fully supportive of government's drive to attain zero waste to landfill as well as the National Pricing Strategy for waste management which recognises that waste has value and therefore calls for change in behaviour towards the generation of waste and the management thereof by all sectors of society.

Cheri Scholtz also lauded the milestone for the PET industry as it will benefit the local value chain and ensure long-term viability of the post-consumer PET recycling in South Africa. She further stated that the co-operation within the PET industry to reach a common goal of integrating recycling into product life cycles has yielded notable results, to date 49% of all post-consumer PET bottles are recycled e.g. in 2014, 1.5 billion bottles were recycled and 44 000 informal income opportunities were supported through the PET collection.

Mr Chandru Wadhvani attributed the success of the project to the commitment of their customers and shareholders and the support of PETCO. He further stated that the facility has the capacity to provide a level of quality assurance that meets the growing local and regional demand in the bottle and thermoforming industry for environmentally-friendly and sustainable packaging.

PETCO Chairman and franchise technical director of Coca-Cola Southern Africa, Mr Casper Durandt praised South Africa for being the first country on the continent to use PET for Coca-Cola products and to ensure that the highest quality standards are maintained. He also thanked PETCO for the ten years of sustained support and Extrupet for a partnership as well as for allowing PETCO to close the loop in PET bottle recycling.

With the bottle-to-bottle expansions, it is estimated that an additional 15 000 informal income opportunities in PET collection will be created. This will support the green job creation goals of the National Waste Management Strategy and the Department of Science and Technology's Waste Research, Development and Innovation Roadmap.



EYE ON IT

The Department of Environmental Affairs is in the process of developing the Norms and Standards for sorting, shredding, grinding, crushing, screening, chipping or baling of general waste. These Norms and Standards will be published for comment by the Minister in the 2nd quarter of the year, i.e. between July and September 2015.

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Health Care Risk Waste Treatment Figures for 2014

In 2014 there were 12 licenced HCRW treatment facilities operating in South Africa. These facilities provided a combined treatment capacity of approximately 5 840 tonnes per month assuming all facilities were operating at 80 per cent capacity¹, providing an annual treatment capacity of approximately 70 080 tons per annum. According to the monthly treatment reports submitted by the licensed HCRW treatment facilities, a total volume of 44 139 tons HCRW was treated in 2014 of which approximately 30% was treated by incineration and 70% treated by non-burn technologies. Based on the total design capacity of the 12 facilities (70 080 tons) there was approximately 26 000 tons (37%) spare treatment capacity available.

Table 1: Volume of HCRW treated at Licensed HCRW Treatment Facilities – 2014

NUMBER OF LICENSED HCRW TREATMENT FACILITIES	
Number of incinerators in operation	6
Number of non-burn technologies in operation	6
Combined design treatment capacity (if operating at 80% of design capacity) ¹	70 080 tons/annum
	5840 tons/month
VOLUME TREATED IN 2014	
Volume of HCRW treated by incineration	13 066 tons
Volume of HCRW treated by non-burn technologies	31 073 tons
TOTAL volume treated in 2014	44 139 tons
Average volume treated per month	3678 tons/month

¹: An assumption is made that the each treatment technology does not exceed 80% of its design capacity given the heterogeneous nature of HCRW.

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