

The Worlds Best Cover Up...

Tarpomatic

Multi-Award Winning Patented Design That Is Already Used In Over 600 Landfills Worldwide



**THE MOST
COST
EFFECTIVE
FUEL
EFFICIENT
WAY TO COVER
YOUR LANDFILL**

REDUCE Landfill Operation Costs

- One operator to deploy & retrieve tarps
- No levy on imported soil

INCREASE Revenue

- Cover your daily work face for around 5c per m²
- One machine to cover the workface daily
- Increased methane collection when cell is closed over

EXTEND Landfill Life

- Dont waste air space with expensive soil cover
- Extends the life of your landfill dramatically

SAVE Valuable Air Space

- Save more than 1 metre of air space each week
- Turn your air space into revenue
- Optional deodoriser system available

Tarpomatic

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Sales & Service

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Purchase, Leasing & Rental options available

Tarpomatic Australia is a Division Of Superior Environmental Solutions

Tarpomatic

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Changing the Face of Landfill



When it comes to operating a landfill, making the most of the available airspace is paramount. Indeed, with gate fees at many facilities around the country now well in excess of \$100 per tonne, operational improvements such as increased compaction efficiency and reductions in the amount of daily cover material being placed into each cell can not only significantly extend the operating life of the landfill, they can also result in substantial costs savings.

With that in mind, an ever-increasing number of Australian landfills are now looking to Alternate Daily Cover (ADC) methods that eliminate the need to place a layer of capping material over the tipping face at the end of each day.

Mike Tolson, Operations Manager with Mindarie Regional Council (MRC) in Western Australia, explained:

"About 18 months ago, as part of our ongoing research into best practice landfill operations, we were looking for ways to improve efficiency and reduce operating costs at the landfill tipping face – in particular, how we could reduce the cost of using earth as a daily cover medium."

"During this initial search for Alternative Daily Cover (ADC) options, I discovered the Tarpomatic tarping system, and after conducting further research on this and a range of other ADC options, it really was a no-brainer. I sought quotes for a figure to include in FY 09/10 budget," he said.

The Tarpomatic Automatic Tarping Machine (ATM) is a patented self-contained unit that attaches to the front of a landfill compactor or dozer, providing the operator with the ability to unroll and retrieve different types of fabric panels. Each Tarpomatic ATM is custom fitted to the blade of specific compactor or dozer being used, thereby ensuring quick and easy

attachment and removal from the equipment.

The Tarpomatic uses a hydraulic drive motor and engaging system to unwind and rewind the tarp spool with variable speed control. Tarp spools can be connected and disconnected, enabling a single ATM to be used to link a series of tarps together to cover or uncover the landfill's tipping face. For added operator safety, the Tarpomatic system incorporates an 'in-cabin' control unit, which provides the operator with complete control of the ATM's engine, height of the spool, and forward or reverse rolling. This, combined with the equipment's own capabilities, provide the operator with complete control over the ATM's height and tilt for even tracking when winding or unwinding a tarp over uneven terrain.

Tarpomatic tarps are manufactured from an extra high-strength polyethylene fabric featuring a flame retardant and UV-protective coating. The tarps also incorporate a special easy-clean anti-bacterial coating to minimise contamination and assist with cleaning and maintenance.

As Tamala Park would be the first landfill in WA to use the Tarpomatic system, MRC first needed to change its landfill licence conditions to ensure that it had approval from the State regulatory body to utilise an ADC system at the site. In late 2009, the Mindarie Regional Council administration engaged with the Department of Environment and Conservation (DEC) to investigate the use of tarp systems as an alternate daily cover to soil. This resulted in a Works Application being submitted to the DEC early 2010. In July 2010, MRC was granted approval to utilise a tarp system as alternate daily cover.

"Once we had approval to use an ADC we proceeded to public tender," Mike Tolson said. "We received two bids, with Tarpomatic being the eventual winner."

State-of-the-art Alternate Daily Cover (ADC) system delivers outstanding results and significant savings at Mindarie Regional Council's Tamala Park landfill in suburban Perth

MRC received the Tarpomatic system at the Tamala Park landfill in late August 2010, and after training and some trial and error, MRC commenced using the Tarpomatic system for alternate daily cover on the tipping face mid October 2010.

The Tarpomatic system is designed for 9.1m (30 ft) wide panels of various lengths, and can be adapted to a wide range of heavy equipment. Each of the tarps covers an area of 234m². The Tarpomatic spools each hold three tarps, providing over 700m² of coverage per spool. MRC purchased two spools with a total of six tarps, thereby providing a flexible work area of over 1,400m².

Most importantly, since the system was first commissioned at the Tamala Park landfill, the Tarpomatic has delivered outstanding results – both in terms of improved airspace utilisation, environmental benefits and cost savings. Indeed, data collected by MRC for the six months from 1 November 2010 to 30 April 2011 showed a reduction of some 30% in total earth cover usage, delivering airspace savings of a staggering 10,304 cubic metres. This figure is even more impressive when you consider that when multiplied by Tamala Park's average gate fee of \$140 per tonne, this equates to potential earnings (from airspace saved) of over \$1,442,000.

For further information, please contact Superior Environmental Solutions, Ph: 1300 TARPED (827733), Email: sales@tarpomatic.com.au or visit the website: www.tarpomatic.com.au