

# WASTE + WATER MANAGEMENT AUSTRALIA

OCTOBER 2014

V41.3



ENVIRONMENT  
SUSTAINABILITY  
PUBLIC HEALTH  
SINCE 1973

PRINT POST APPROVED - 100001890

**Tarpomatic**  
The Worlds Best Cover Up...



# All Systems go for Tarpomatic®

## *The Worlds Best Cover Up...*



With over 600 successful installations globally, the Tarpomatic Automatic Tarping Machine (ATM) continues to go from strength-to-strength. With several new installations throughout Australia, including, most recently, a unit at Transpacific's Fraser Road Landfill in metropolitan Melbourne, the Tarpomatic ATM is rapidly gaining a reputation as an innovative and highly reliable Alternative Daily Cover (ADC) solution for landfills large and small.

Importantly, the new Transpacific unit is not only one of the first Tarpomatic installations in Victoria, is also one of the first units to feature Tarpomatic's innovative, fully-integrated odour control system.

Speaking about the new Tarpomatic ATM, Nick Stuhlemer, Landfill Operations Manager with Transpacific, commented:

"Our goal, like all landfill operators, is to maximise airspace availability."

"Using Alternate Daily Cover is a key initiative for Transpacific to extract maximum value out of the remaining life of the Fraser Road Landfill," he said.

In landfills, airspace equals money: and in an economy where landfill space is becoming scarce and landfill disposal charges are on the increase, making the most out of the available airspace is of the utmost importance. Reducing the amount of daily cover material being placed into each cell can not only significantly extend the operating life of a landfill, it can also result in substantial cost savings.

"One of the main motivations for us to start using the Tarpomatic was to realise additional airspace savings by reducing the amount of soil we are using for daily cover," Nick Stuhlemer said.

"In addition, reducing the amount of cover material that we have to cart and place, has also resulted in a number of other benefits, including a reduction in fuel usage and plant maintenance. It also means we are creating less dust, which has been an issue for us in past with residents in close proximity to our site," he added.

The Tarpomatic ATM provides a proven, reliable, efficient and highly cost-effective alternative to traditional daily soil cover. The Tarpomatic 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 deploy and



## Now with Odour Control

### Integrated Deodorising System

As well as helping to minimise dust issues associated with collecting, stockpiling, transporting, placing and spreading daily soil cover, Tarpomatic's fully-integrated deodorising system also addresses another common landfill issue - bad odour. Bad odours emanating from the landfill tipping face are often a major source of complaints from nearby residents and businesses.

As well as providing a significant reduction in the amount of time that the tipping face is exposed at the end of each day, the Tarpomatic ATM's fully-integrated odour-control system helps to neutralise odours when deploying or retrieving the tarps. Sprayed directly onto the tipping face via nozzles located behind the tarp spool, the Tarpomatic deodorising spray reduces odours at the source, thereby reducing the impact of landfill operations on the surrounding environment.



cover; which can take 3 people, using three machines, an average of three and half hours to complete.

When it's time to retrieve the tarps and expose the tipping face, the process is simply reversed, with the tarps wound back onto the spools ready for use at the end of the day. Retrieval of the tarps is also quick and easy – taking approximately 10 minutes to complete.

Each tarpaulin covers an area of 234m<sup>2</sup> and each spool holds 3 tarps - giving a total coverage of 700m<sup>2</sup> per spool. Spools are interchangeable and therefore, the amount of coverage is limitless.

Each tarp has over 150 metres of heavy duty chain sewn into it along the edges and across at intervals to provide ballast to hold the tarp in position in windy conditions.

retrieve heavy duty, flame retardant tarpaulins over the tipping face on a daily basis.

The Tarpomatic uses a hydraulic drive motor and engaging system – powered by the unit's fully-enclosed diesel engine – to unwind and rewind the tarp spool with variable speed control.

Each Tarpomatic ATM is custom fitted to suit the blade of the specific compactor or dozer being used - ensuring quick and easy attachment and removal from the equipment. The tarps are placed over the active or daily cells on the tip face to cover the waste delivered that day, eliminating the need for costly and time-consuming daily soil cover to be applied.

Typically installed at the end of the day's operation and recovered at the start of the next day, deployment of the tarps takes approximately 15 minutes – a significant time saving when compared to the time taken to place and spread daily soil



Retrieving the tarps in the morning takes approximately ten minutes

### Change of Licence Service

Whilst moving from a traditional daily soil cover system to an Alternate Daily Cover system is an extremely simple task from an operational perspective, for most landfills it also generally requires a change to the EPA licencing conditions for the facility.

For some landfill owners and operators - particularly those with smaller rural and regional sites - submitting and following up an application such as this can be an onerous and time-consuming task. Indeed, for some operators, not having the time or staff to manage this process has prevented them from being able to take advantage of ADC solutions such as the Tarpomatic.

With that in mind, Tarpomatic now offers an innovative 'EPA Change of Licence' service to assist with all aspects of the process.

From collecting and collating the required information, through to completing the required paperwork and submitting and following up the application to completion, Tarpomatic's innovative 'EPA Change of Licence' service takes the hard work and stress out of the entire process - from start to finish.

For further information, please contact Superior Environmental Solutions, Phone: 1300 TARPED (827733), email: [sales@tarpomatic.com.au](mailto:sales@tarpomatic.com.au) or visit the website: [www.tarpomatic.com.au](http://www.tarpomatic.com.au)



# The Tarpomatic®

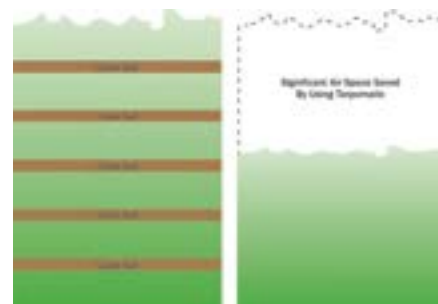
*The Worlds Best Cover Up...*

# TOP 10

## 10 Reasons to Change the Way you think About Daily Soil Cover

### 1 ... Airspace

In landfills, airspace equals money; and in an economy where landfill space is becoming scarce and landfill disposal charges are on the increase, making the most out of the available airspace is of the utmost importance. With the common use of 150mm of soil each day, most landfill operators are



losing more than 1 metre of valuable airspace each week to daily cover material. For a landfill with a daily work face of around 500m<sup>2</sup>, this equates to a staggering 500 cubic metres of airspace wasted each week!

### 2 ... Revenues & Cost

The most interesting part of this wasted air space is the cost. Not only is this airspace not generating revenue, it is also costing money to fill. What's more, in landfills where the daily cover has to be shipped to the site (especially those in states with an additional levy for 'imported' cover material) this cost is horrendous. If you multiply your average

gate rate by your daily workforce, it soon becomes clear just how much the Tarpomatic ATM can save you.

As an example, and landfill with a daily workforce of 500m<sup>2</sup>, multiplied by the average gate rate of \$150 per cubic metre, would save some \$75,000 per week!

### 3 ... Speed & Productivity

Deployment and retrieval of Tarpomatic tarps is significantly faster and more efficient than daily soil cover.

In fact, on average it takes approximately 15 minutes to deploy Tarpomatic tarps across the tipping face – a significant time saving when compared to the time taken to place and spread daily soil cover which can

often take 3 people, using three machines, an average of three and half work hours to complete.

Retrieval of the tarps is also quick and easy – taking approximately 10 minutes to complete.



### Fuel Savings ..... 4

#### Machine hours cost money – and lots of it!

The speed and ease with which Tarpomatic tarps can be deployed and retrieved – by one person, using one

machine – delivers significant fuel and machine hour savings when compared to traditional daily soil cover operations.



0



## Odours ..... 5

Odour issues can be a real problem for landfills. Bad odours from the tipping face are unpleasant for all - and a major source of complaints from people living in the vicinity. As well as significantly reducing the time that

the tipping face is exposed at the end of each day, the Tarpomatic ATM's fully-integrated deodorising system helps to neutralise odours when deploying or retrieving the Tarps - significantly reducing odours, and the impact of your landfill on the surrounding environment.

## 6 ..... Dust

Issues relating to dust from nearby landfill operations are consistently one of the top reasons for complaints from neighbouring businesses and residents. Traditional daily soil cover is one of the main causes of dust.

The Tarpomatic Alternate Daily Cover

System eliminates the need to collect, stockpile, transport, place or spread daily soil cover - reducing costs, improving productivity and, most importantly, eliminating the associated dust problem!



## Leachate ..... 7

Tarpomatic heavy duty waterproof tarps help to improve run-off and minimise leachate across the covered area.

## Landfill Gas ... 8

By reducing the number of daily soil cover layers in the landfill cell, Tarpomatic will significantly increase the efficiency of landfill gas collection from the finished cells.

## 9 ..... Longevity

Tarpomatic tarps are manufactured from an extra high-strength polyethylene fabric featuring a flame retardant and UV-protective coating to ensure a longer life-span for the tarpaulins. The tarps also incorporate

a special easy-clean anti-bacterial coating to minimise contamination and assist with cleaning and maintenance.

## 10 ... Coverage

Designed with a focus on providing landfills with maximum flexibility, each Tarpomatic tarp covers an area of 234 square metres, with each spool holding up to three tarps - providing a total coverage

of 700m<sup>2</sup> per spool. Tarp spools can be connected and disconnected quickly and easily, enabling a single ATM to be used to link a series of tarps together across the landfill's tipping face - the amount of coverage is limitless.



# LANDFILL NOT SMELLING AS GOOD AS IT COULD?



## The **TARPOMATIC** integrated deodorizing system can help!

Odour issues can be a real problem for landfills. Bad odours from the tipping face are unpleasant for all - and a major source of complaints from people living in the vicinity of landfills around the country.

As well as significantly reducing the time that the tipping face is exposed at the end of each day, Tarpomatic's fully-integrated deodorizing system helps to neutralize odours when deploying or retrieving the Tarps - significantly reducing odours, and the impact of your landfill on the surrounding environment.

**DON'T WASTE YOUR AIRSPACE - TURN IT INTO REVENUE**

**Tarpomatic®**  
*The Worlds Best Cover Up...*

**1300 TARPED**  
**[www.tarpomatic.com.au](http://www.tarpomatic.com.au)**

LEASING AND RENTAL OPTIONS AVAILABLE!