

# WASTE + WATER MANAGEMENT AUSTRALIA

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**Tarp@matic**<sup>®</sup>  
The Worlds Best Cover Up...

# 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...

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# Tarpomatic®

*The Worlds Best Cover Up...*

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## Uncovering the 'World's Best Cover Up'

In recent years there has been a surge in demand for Alternate Daily Cover (ADC) systems for landfills throughout Australia, with an escalating number of landfill owners and operators recognising the considerable benefits that ADC systems offer - both in terms of operational cost savings and, most importantly, improved use of available landfill space.

While there has been a shift towards the use of ADC systems, it is also clear that the benefits of Alternate Daily Cover go far beyond simply using something to 'cover the waste'. Issues such as operator OH&S (in terms of both the equipment being used and exposure to the tipping face during ADC operations) and ease-of-use, together with critical matters such as leachate management, gas collection, dust and odour control and fire risk must also be taken to account.

Put simply, while ADC systems are a highly effective and globally proven method of increasing both the capacity and productivity of landfill operations, it is also clear that not all ADC systems are created equal. What's more, choosing the wrong ADC system, can be an extremely costly mistake in both the short and long term.



Each Tarpomatic ATM is custom fitted to suit the blade of the specific compactor or dozer being used - ensuring quick, easy and secure attachment and removal from the equipment.



**W**ith over 600 successful installations globally and a rapidly growing number of installations in Australia, the innovative Tarpomatic Automatic Tarping Machine (ATM) is the preferred Alternate Daily Cover System worldwide.

Built tough to withstand the harshest operating conditions, 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 retrieve heavy duty, water resistant and flame retardant tarpaulins over the tipping face on a daily basis.

Importantly, Tarpomatic's robust design and heavy-duty construction make it suitable for use in a full range of operating environments. From coastal locations and tropical environments, through to dry, arid areas, and even alpine regions, the Tarpomatic ATM delivers reliable long-term performance, regardless of the location of the landfill. In fact, the very first Tarpomatic machine to be installed in Australia some 15 years ago is still going strong!

While the award-winning Tarpomatic design incorporates an array of innovative and practical features that really do put it in a league of its own, the key behind Tarpomatic's success, both in Australia and globally, comes down to three words... Quality, Performance and Service.

Steve Brooks, Managing Director with Tarpomatic Australia, explained:

"The operating conditions at landfills are some of the harshest around. The extreme conditions and exposure to the elements will test the performance and resilience of any piece of equipment - especially equipment that comes into direct contact with the waste."

"Put simply, when it comes to selecting any equipment and supplies for a landfill, quality is paramount. Whether it's the machine or the materials you're using to cover the waste, if it's not 'fit for purpose' and specifically designed and built for that purpose, it just won't last in a landfill," he said.

Not surprisingly, this focus on robust quality and performance is clearly evident in all aspects of the Tarpomatic ATM - not only with the machine itself, but also in the design and construction of the tarpaulins.

The Tarpomatic machine itself is a robust, fully self-contained unit with its own on-board heavy-duty hydraulic drive system, powered by a fully-enclosed 26.5hp diesel engine. All parts of the unit have been purpose designed and manufactured to deliver long-term performance in even the toughest conditions

The Tarpomatic ATM has also been designed with a focus on versatility, operator safety and ease of use, with reliable wireless remote operation. Each

Tarpomatic ATM is custom fitted to suit the blade of the specific compactor or dozer being used - ensuring quick, easy and secure attachment and removal from the equipment. The tarps are wound onto interchangeable spools which are easily loaded onto the ATM. The ability to have multiple spools - each of which can hold up to 3 tarps for a total coverage of 700m<sup>2</sup> per spool - enables a single Tarpomatic unit to provide unlimited coverage.

Typically deployed at the end of the day's operation and recovered at the start of the next day, placement of the tarps takes approximately 15 minutes - a significant time saving when compared to the time taken to place and spread daily soil cover; which on average, can take three people, using three machines 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

## Change of Licence Service

While 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 inevitably requires a change to the EPA licensing conditions for the facility.

For some landfill owners / 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 ATM.

With that in mind, Tarpomatic's innovative 'EPA Change of Licence' service has played an important role in assisting a number of Australian landfills to prepare and submit successful Change of License applications. From collecting and collating the required information, through to completing the required paperwork and submitting and following up the application through to completion, Tarpomatic's 'EPA Change of Licence' service takes the work and stress out of the entire process - from start to finish.



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

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. A deodorising solution is sprayed directly onto the tipping face via nozzles located directly behind the tarp spool - reducing odours at the source, thereby reducing the impact of landfill operations on the surrounding environment.

### Cover Material Quality is Paramount

When it comes to Alternate Daily Cover systems, the quality and performance of the cover material - in the case of the Tarpomatic, the tarpaulins - being used is of paramount importance.

Put simply, it's about much more than being able to cover up the waste!

There are a number of very specific performance criterion that need to be met to ensure full compliance with EPA licensing, OH&S and operational requirements.

Tarpomatic tarps are manufactured to the highest quality standards and are individually inspected before leaving the factory. The extra high-strength 340gsm polyethylene fabric features flame retardant and UV-protective coatings to ensure a longer life-span for the tarpaulins plus an easy-clean anti-bacterial coating to minimise contamination.

Tarpomatic's heavy duty tarps are also waterproof to improve rainwater run-off and reduce leachate across the covered area. Each individual tarp has over 150 metres of heavy duty chain sewn into it along the edges and across at 3m intervals to provide ballast to hold the tarp in position in windy conditions and have reinforced stitching and webbing with a breaking strain of 1500kg.



The interchangeable tarp spools, which hold up to 3 tarps for a total coverage of 700m<sup>2</sup> per spool, are easily loaded onto the ATM. The ability to have multiple spools enables a single Tarpomatic unit to provide unlimited coverage.



## Are you Getting What You Paid For? Are You Getting What You Need?

Just like any other piece of equipment, when it comes to ADC systems, it's crucial to ensure that you not only get what you pay for, but also what you need to comply with EPA license and OH&S requirements.

Importantly, both the Tarpomatic ATM and tarpaulins tick all the boxes in terms of features, performance and compliance:

### MACHINE CHECKLIST:

- Extra Heavy Duty Performance
- Purpose Designed and Built
- Fully Enclosed On-board 26.5hp Diesel Engine
- Lockable security cover
- On Board Heavy-Duty Hydraulic Drive System
- Remote Controlled Operation
- Integrated Odour Control System
- Interchangeable Spools – Providing the potential for an unlimited area of coverage
- Quick, easy and secure attachment to the compactor/dozer

### TARPAULIN CHECKLIST:

- Extra Heavy Duty 340gsm Polyethylene Fabric
- Heavy Duty Chain Weighted – Each tarp weighs 400kg
- Purpose Design and Manufactured
- Easy-Clean Antibacterial Coating
- Flame Retardant
- UV Resistant
- Waterproof to Improve Runoff and Leachate Control
- Reinforced Stitching and Webbing – Tarpomatic tarpaulins have a breaking strain of 1500kg



For further information, please contact Superior Environmental Solutions, Ph: 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**<sup>®</sup>

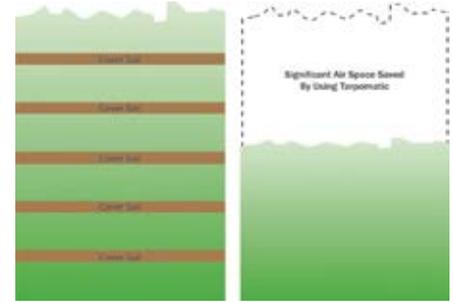
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# TOP 10

## 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 workface, it soon becomes clear just how much the Tarpomastic ATM can save you.

As an example, a landfill with a daily workface 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 Tarpomastic tarps is significantly faster and more efficient than daily soil cover.

In fact, on average it takes approximately 15 minutes to deploy Tarpomastic 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 Tarpomastic 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.

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## 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 minimises 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 - providing the potential for unlimited coverage.