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#### Waste placement

- Waste placed in lifts either from above or beneath
- Minimise lift height to optimise compaction but do not smear, optimum lift height 0.3m
- Progressively compact as lift height increases
- Maximum lift thickness 2.0m to ensure compaction
- Keep working face area as small as possible for effective compaction and to minimise cover usage
- Compact and roll waste surface as smooth as possible before placing daily cover









































### Daily cover

- · Apply cover at least daily on putrescible waste
- Reduces potential for wind blown litter
- Contains odours
- Discourages birds
- Reduces fire risk
- Reduces escape of gas
- Minimises leachate generation potential
- Minimum earthen daily cover requirements 0.3m
- Acid sulfate soils not to be used unless stabilised
- Pull back and recover daily cover where possible

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### Alternative daily covers

- A number of alternative daily cover options are available:
  - Degradable plastic film covers
  - Tarp covers
  - Spray on covers
  - Landfill lids
- Take up less air space than earthen covers
- Some fully recoverable and reusable
- Generally need to keep operating face small to contain costs

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Alternative daily cover retained by earth



**Enviro Cover** 

- Non-toxic, brown (daily), buff (intermediate) colours
- Degradable (up to 7 days) or Intermediate cover (~4 weeks)
- Good tear and puncture resistance, stretches over uneven surfaces
- 32-52 microns x 3.0-5.5 metres wide x 6,500-12,500 m<sup>2</sup> rolls









# WA Rural Landfills

Environmental Protection (Rural Landfill) Regulations 2002

• Minimum frequency of cover of tipping area:

Tonnes of waste received per year	Frequency waste is to be covered
Less than 500 tonnes	Monthly
Between 500 and 2,000 tonnes	Fortnightly
Between 2,000 and 5,000 tonnes	Weekly
<ul> <li>Sufficient cover must be available on-site</li> </ul>	
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## Drone survey/software integration

- Volumetric surveys help optimize long-term performance
- Slope tools help maximise airspace usage
- Manage cover thickness for operational, compliance and economic efficiency
- Minimise stormwater runoff and erosion risks
- Improve site management



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