



Waste Modernisation



Sustainable and compliant waste management that minimises the impact on our Island environment.

July 2022

BACKGROUND

The Whitemark Waste Management Site has been utilised as a landfilling site, under EPN 7191/2, since September 2007.

Environmental compliance and audits of the site identify that Council is managing the site outside of the EPA requirements.

Timeframes to enable cell construction have exceeded many times due to the inability to finance the required developments at the site.

Due to a lack of space, the current landfill area is nearing the end of its life. In December of 2022, this could be the reality. The total cost of a new cell was recently assessed at \$2.8 million dollars.

The alternative to a new cell build, would be to freight all waste off the Island, which would be at a starting freight cost of \$250 per tonne.

Disposal of this waste at a Tasmanian mainland facility would be charged at \$126.50 inclusive of the current Waste Levy. This cost will increase with the Waste Levy increase.

Council estimates its current landfill disposal costs are \$118 per tonne, which includes the introduced waste levy of \$20 per tonne. This levy will rise to \$60 per tonne by 1 June 2026.



COST

Seeking \$3.5 million

- New Enviro-Cell Construction - \$2.8 million (costed)
- Rehabilitation of Existing site \$200k
- Heat Digesting Composter - \$500k

Council contribution \$175k - Cell engineering design, Environmental Effects Report, earth and drain works

Note Council has written to Minister Nic Street at his invitation, to seek his support to enable amendments to the current Freight Equalisation Scheme (to provide for recyclables to meet Tasmanian markets as southbound freight.)

New Enviro-Cell construction

With recent costings supplied to Council by Batchelor Construction, the next stage is to secure funding, then tender for and engage a suitably qualified contractor to build the new cell.

Rehabilitation of Existing Site

The site currently utilises an unlined landfill as the disposal site. This practice needs to cease as soon as possible. When the new cell is built, Council will need to rehabilitate the existing area.

'Hot Rot' Heat Digesting Composter

Our investigations suggest that the best way to save our precious environment is to heat digest all compostable and putrescent materials. This will also save expensive landfill space.

COST TO DISPOSE OF LANDFILL	Cost per tonne (exclusive opex)	1 year – 750 tonnes per year landfill	10 years – 750 tonnes per year landfill	25 years – 750 tonnes per year landfill
Disposal of landfill waste - On Island	\$118.00	\$88,500	\$885,000 + + increased waste levy + Increased freight cost	\$2,212,500 + + increased waste levy + Increased freight cost
Disposal of landfill waste - Off Island inc freight	\$376.50	\$282,375	\$2,823,750 + + increased waste levy + Increased freight cost	\$7,059,375 + + increased waste levy + Increased freight cost

IN DEVELOPMENT

CURRENT COUNCIL PROJECTS

Whitemark Infrastructure Improvements

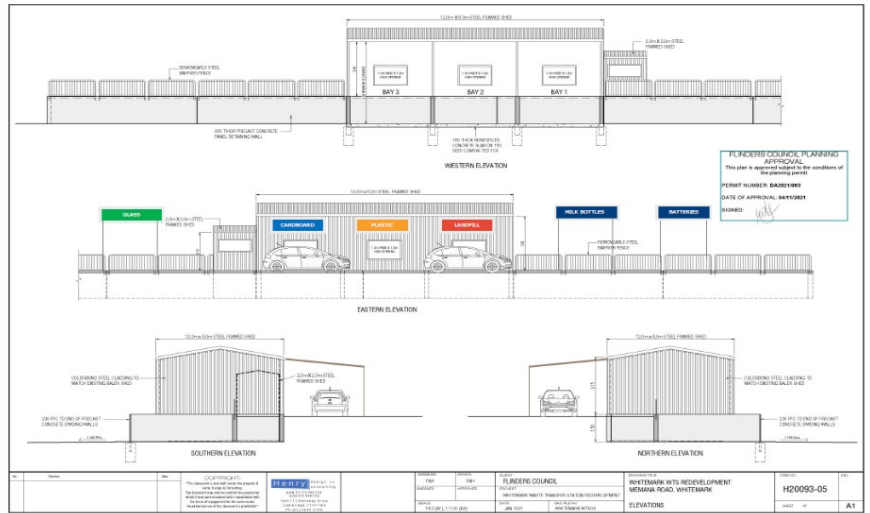
The first stage of improvements to the Whitemark Tip Infrastructure by Council was the building of concrete sorting bays, earthworks, drainage and a retaining wall. The second phase of the improvements will involve building a shed for a waste sorting line and recycling bins.

Additional funds received from the Recycling Modernisation Fund has resulted in plans for a new design and construction of a larger shed to support recycling workflows configured with existing and new equipment.

'Urban EP' was engaged to develop a funding application under the Recycling Modernisation Fund (RMF) and \$424,000 in successful funding was obtained to assist with recycling initiatives on the Island.

Funding will be used for:

- Sorting Shed
- Turnkey Sorting Line
- Glass pulveriser
- Shipping containers



EMERGING COMMUNITY-LED PROJECTS AND BUSINESS IDEAS

Driven by our community

As part of the Islander Way project, a community driven group the 'Flinders Island Circular Economy Lab' has been established with innovative plans to address circular economy issues, reduce waste, create commercial outcomes and help to address the Island's waste challenge.

These projects would be in alignment with Councils current efforts and resources to recycle and reduce landfill. The facility would be located at the Whitemark Waste Management Site and work as a Council /Community partnership.

Expansion

- "Big Hands" sorting
- Open areas like currently used but with refinement

- Locations for big ticket salvaged items
- Metal, timber, plastics, etc
- Under cover / open areas

- Areas for types of complex items for repurposing

- Safe space
- Storage
- Benches
- Power

- General R&R area

- A lot of storage bin areas
- Wide range of sorted materials for manufacturing available

- Areas to do/store work
- Fine sorting
- Manufacturing

- Light tools area for materials work
- Different purpose to Community Shed

- Repair cafe
- Fix and learn

- Shop front
- Giving shed too
- Finished goods for sale in store / online

- Visitor parking

- Access to sculpture garden and walking circuit
- Miniatures for sale in shop

- Tour start / end points

- Sculpture garden cafe

In addition...

- Gain skills
- Repurpose materials
- Manufacture
- Sell local items
- School and aged
- NDIS support
- Visitor tour options
- Wider art placement
- Contributor rewards



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