



**WASTE
MANAGEMENT &
RESOURCE
RECOVERY
STRATEGY**

2017 – 2022

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Background

Waste Management is a basic community service provided by Local Government.

Council's initial Waste Management Strategy was developed and endorsed by Council in April 2008, the strategy collated Council's existing waste management information and provided an overview of key issues within the district. The strategy, following its adoption, was reviewed and amendments adopted on the following timeline:

- July 2009
- August 2011
- August 2013

The pivotal element of the Waste Management Strategy has been the establishment of a new landfill site, closure of existing sites, and development of the Streaky Bay Transfer Station and Resource Recovery Centre.

On August 1, 2007 the District Council of Streaky Bay received a site inspection from the Environmental Protection Authority (EPA). A number of issues relating to all of Council's Landfill Sites were raised from this site visit and outlined in their correspondence dated August 13, 2007.

The District Council of Streaky Bay Waste Management Committee was established as a Section 41 Committee at the April 2007 Ordinary Meeting of Council with the Terms of Reference reviewed and adopted at the May 2007 Ordinary Meeting of Council.

The Committee was established to progress strategic waste management issues and provide a detailed Waste Management Strategy, to which this committee is still charged with the responsibility.

Policy Framework

1. External Drivers

South Australia's Waste Strategy 2015 – 2020 – Green Industries SA

“The approach to waste management advocated in *South Australia's Waste Strategy 2015-2020* (the Strategy) is an opportunity not only to avoid the detrimental impacts associated with waste, but also to recover resources, realise environmental, economic and social benefits and continue along the road to a sustainable future.

The Strategy sets out objectives, targets, priorities for action and partnerships, recognising and building on the achievements delivered through previous waste strategies (2005–2010 and 2011–2015).

The Strategy reflects the principles in the Zero Waste SA Act, namely:

- the waste management hierarchy
- ecologically sustainable development
- best practice methods and standards
- policy development through open dialogue and consultation. “

South Australia's Environment Protection (Waste to Resources) Policy 2010

This Policy sits under the Environment Protection Act 1993 and Part 2 Clause 7 outlines the Waste Management Objective of the policy:

“(1) The objective of this policy (the ***waste management objective***) is to achieve sustainable waste management by applying the waste management hierarchy consistently with the principles of ecologically sustainable development set out in section 10 of the Act.

(2) In order to meet the waste management objective, waste management in this State should also—

- (a) promote best practice and accountable waste management, taking into account regional differences within the State; and
- (b) include effective recording, monitoring and reporting systems with respect to waste transport, resource recovery and waste disposal; and
- (c) promote environmental responsibility and involvement in waste avoidance, waste minimisation and waste management within the community.”

EPA Guidelines, Environmental Management of Landfill Facilities (Municipal Solid Waste and Commercial and Industrial General Waste) January 2007.

These guidelines outline proposed landfill closures and implementation time frames which were set out within. In general terms;

- i. Compliance with all aspects of the guidelines will be required for sites wishing to continue to operate beyond July 1, 2010;

- ii. Sites operating post July 1, 2008 but proposing to close before July 1, 2010 will be generally subject to the closure provisions in the guidelines and any related ongoing monitoring requirements;
- iii. All sites expanding such as by the construction of new cells or stages or for development of new sites, are required to comply with all aspects of the guidelines on and from the time of release of the guidelines; and
- iv. Sites proposing to close between then and July 1, 2008 will need to negotiate a closure plan based on site specific considerations with the EPA but should have regard to the measures and outcomes provided in the guidelines.

Community Expectations

The demographics of the council area have changed significantly over the past ten years and this trend is likely to continue as more people move from the city bringing expectations of higher level service provision.

New pockets of development in the form of coastal settlements are being developed with expectations of service levels in Waste Management being the same as City and major regional centres.

Consultation

Council public consultation policy will be used to consult with the community on matters relating to this waste management strategy.

2. Internal Drivers

District Council of Streaky Bay - Strategic Management Plan 2016-2026

The strategy sets out a key strategic direction

“3.2. Improve service levels and environmental responsibility of waste management practices.”

Containing the following actions relevant to this strategy

3.2.1 Develop a new Waste Management Strategy.

3.2.2 Continue to seek joint venture and shared resource opportunities with adjoining Councils and Eyre Peninsula Councils.

3.2.3 Drive and support the implementation of an Upper Eyre Peninsula Waste Management Group.

3.2.4 Continue and establish the Streaky Bay Transfer Station and Resource Recovery Centre.

3.2.5 Complete the closure of the existing Streaky Bay Landfill Site in accordance with landfill closure plan.

3.2.6 Review and decide on future use of closed landfills within the district.

3.2.7 Support the maintenance of existing waste minimisation and recycling programs and facilitate opportunities for increased recycling, with a view to the introduction of a recycling service for the district.

Landfill Management Contracts

This contract is in place until 1st October 2021

General Kerbside Collection contract

This contract expires on the 1st October 2021

SBTSRRC management Contract

This Contract expires on the 1st October 2021

Waste Facilities – Under Council Care and Control

The District Council of Streaky Bay currently has six (6) licenced landfill sites. The sites at Baird Bay, Perlubie and Yanerbie have been formally closed.

a) *Poochera (License No. 2110) Section 48, Hd Karcultaby, Poochera*

Poochera landfill is a small site and located on the outskirts of the Poochera Township, consisting of a single cell. The landfill site previously serviced the township and the surrounding rural area, prior to the introduction of a kerbside collection service and hard waste collection.

The Poochera landfill site has been closed.

b) *Wirrulla (License No. 2106) Section 86, Hd Walpuppie, Wirrulla*

The Wirrulla landfill site is a small site that consisted of two (2) cells and is located just outside the Wirrulla Township. This landfill site previously serviced the township of Wirrulla and the surrounding rural area, prior to the introduction of a kerbside collection service and hard waste collection.

The Wirrulla landfill site has been closed.

c) *Cungena (License No. 2105) Section 83, Hd Cungena, Cungena*

The Cungena landfill is located east of the Cungena township and is accessed off Dickson Road. The site covers approx. 4.2 ha.

With the closure of the smaller sites, Cungena has been established as the primary and only landfill within the District Council of Streaky Bay.

The Cungena Landfill site receives all waste from within the District Council of Streaky Bay.

License conditions were amended on 1st March 2016 in accordance with the Landfill Environment Management Plan (LEMP) and allowed the disposal of asbestos on site.

d) *Haslam (License No. 2111) Section 82, Hd Haslam, Haslam*

The Haslam landfill site is again a small site consisted of two (2) small cells and is located just on the fringe of the township of Haslam. The landfill site previously serviced the

residents of the Haslam Township and surrounding rural area as well as the increasing number of oyster growers and fishermen. Council recently erected a number of compounds to house unused oyster baskets for the local oyster growers. Prior to the introduction of a kerbside collection service and hard waste collection.

The Haslam Landfill site has been closed, with oyster baskets remaining on site.

e) Scaale Bay (License No. 2169) Section 219, Hd Wrenfordsley, Scaale Bay

The Scaale Bay Landfill site is a very small site consisting of a single small cell located along the entrance road into the township. The Scaale Bay landfill site serviced mainly the small number of permanent residents with waste amounts received increasing in the summer months with the influx of holiday makers, prior to the introduction of a kerbside collection service and hard waste collection.

The Scaale Bay site was closed in February 2011 as a result of WHS issues and at the request of the current landowner. The site will remain licenced until the closure plan is implemented.

f) Streaky Bay (License No. 2108) Part Section 74, Hd Ripon, Flinders Highway Streaky Bay

The Streaky Bay Landfill Site is located on Flinders Highway approximately 1km south east of the Streaky Bay Township and is the District Council of Streaky Bay's largest and most central landfill.

The Streaky Bay Landfill Site is no longer landfilling waste on site, all waste is being transferred to the Cungenena site under contract.

The Streaky Bay Landfill Site is currently acting as a Transfer Station. A request has been forwarded to the EPA to transfer the license from a landfill to a transfer station.

g) Streaky Bay Transfer and Resource Recovery Centre

The Streaky Bay Transfer and Resource Recovery Centre (SBTRRC) is located adjacent the closed Streaky Bay landfill site on Part Section 74, Hd Ripon, Flinders Highway Streaky Bay.

Council opened the SBTRRC in 2017, future development of the site is still required and will be implemented on a demand basis.

1. Municipal Waste Services

The District Council of Streaky Bay currently offers a wide range of municipal waste management services including:

Kerbside collection

Waste collection

This is a weekly waste collection to households with a 140-litre bin and some households using a 240-litre bin. Waste is collected from around 866 properties per week on average and 534 tonnes of residential waste was disposed of at the Cungena Landfill in 2016-2017. There has been a gradual increase in the amount of waste going to landfill within the municipality.

Opportunities remain to improve resource recovery from both domestic households with garden waste and other recyclable materials currently placed and collected in the general waste stream. Commercial and industrial waste bins contain up to 50 per cent recyclables. This reduction can be achieved through targeted community education programs, awareness initiatives and increased service provision.

Reducing food waste provides a major opportunity to dramatically reduce waste sent to landfill. However, there are currently no successful alternatives for the diversion and processing of food wastes within our Council Area. Food waste diversion also carries high processing costs that may outweigh the overall community benefit. Further efforts in this area would require a detailed analysis to ensure the diversion of this material meets the optimal net-community benefit test.

Hard waste collection

Council have recently moved away from the kerbside hard waste collection service, opting to move to a system where the Cungena Landfill and Streaky Bay Transfer and Resource Recovery Centre allow free delivery of hard waste during a select week of the year. The service alteration was changed due to it reaching Council's capacity to fund due to the declining use of the standard drop-off service.

Pre-bookings are allowed for those community members who are unable to access either service.

Council staff can advise on the acceptable size and type of items that can be collected.

The materials are disposed of at both sites, where recyclable materials are recovered for recycling.

Resident drop-off services

The District Council of Streaky Bay provides opening house of the Cungena Landfill and Streaky Bay Transfer and Resource Recovery Centre where waste can be dropped off to site for a fee set in Council's Annual Fees and Charges.

Delivery of green waste and steel is free to the community. Segregation areas are located at each site to enable resource recovery.

Salvage Yard Recycle Facility

Council have recently received grant funding for the construction of a resale shed at the Streaky Bay Transfer Station. It is envisaged that sale of materials from this facility will begin once construction is complete.

Public/Street Bins

Council provides waste receptacles of varying types in key public areas of Council such as main streets and reserves. Additional or replacement bins are put into place as required, or when existing bin provisions are deemed inadequate. Bin collection is varied depending on locality with a higher demand for areas such as the main street due to higher levels of tourists etc. A winter and summer collection schedule is also in place due to seasonal differences.

Municipal Waste and Recycling

Council have introduced basic waste recycling systems for the following waste streams:-

- Cardboard
- Batteries
- Steel
- Green Waste
- e-waste
- Oil
- Chemical drums through participation in the drumMUSTER program.

These need to be reviewed with an ongoing program and community education programs to enhance the recycling culture of the District.

2. Financial Implications

Council funds the kerbside waste and recycling collection via the application of a service charge. Under Section 155 of the Local Government Act 1999, a Council *may* impose an annual service charge on land to which it provides, or makes available a prescribed service. The collection, treatment and disposal (including by recycling) of waste is a prescribed service under the Act.

Under the Local Government Act, Council must not seek to recover in relation to a prescribed service through means of a service charge, an amount that exceeds the cost to establish, operate, maintain, improve and replace (including by future capital works) the service in its area. Any excess recovered for future works must be allocated to a reserve for that purpose.

All premises are charged the refuse charge within the collection area where the service is made available to them with the exception of vacant land, primary production and properties that the collection vehicle is unable to access.

It is intended that the refuse charge fund 100% of the cost to deliver the kerbside waste and recycling service, and consequently services need to be rationalised based on the financial impost per ratepayer per year. Service provision and application of the refuse charge will be undertaken consistent with Council's kerbside collection policy and any other relevant Council policies.

All non-kerbside services and facilities will need to be either completely externally funded (i.e. drumMuster, mobileMUSTER) partially funded (i.e. Zero Waste SA Hazardous Waste Collection program) or else come from general rate revenue and fees and charges. This would be determined in setting the annual budget each year.

Summary

The closure of existing landfills and the establishment of alternate arrangements for the management of waste are, and have been, paramount to the implementation of the Waste Management Strategy.

This revised strategy identifies a defined timeframe for the closure of existing sites, the expansion of the Cungena Landfill, establishment of a Waste Transfer Station in Streaky Bay and the commencement of a kerbside collection within the District.

Attachment 1 – Waste Management Strategy Implementation Plan 2017-2021

Topic	Objectives	Strategies	Responsibility	Timeline	Budget
Policies	Finalise and implement plans for Streaky Bay Waste Transfer Station including a review of materials to be excluded from landfill as part of EPA Waste Resources Policy	Implement measure to weigh volume of waste being received and recycle	Manager, District Services	June 2020	
		Implement measures to streamline recycling operations i.e. purchasing a shredder for cardboard	Manager, District Services	June 2019	
		Implement salvage area/yard	Manager, District Services	June 2019	

		Segregation and storage methods	Manager, District Services	June 2020	
		Sorting facilities including pick lines	Manager, District Services	June 2020	
		Investigate commercial opportunities	Manager, District Services	June 2021	
	Waste Management Policy	Review and update Council's Waste Management Policy to reflect current practice	Manager, District Services	Annually	

Liaison	Western EP Waste Management Committee	Continue discussions with neighbouring Councils regarding resource recovery and shared opportunities. Pursue the establishment of a Western EP Waste Management Committee	Manager, District Services	Ongoing	
Liaison	Initiatives	Support government initiative for commercial and industrial waste recycling initiatives	Manager, District Services	Ongoing	
Operational	Contract	Review Existing Waste Management Contract with consideration to Waste Management Strategy	Manager, District Services	Annually	

	Service Levels	Undertake a review of existing service levels relating to weekly pickups, public bins, landfill opening times, types of waste received, hard waste collection	Manager, District Services	Annually	
	Waste Management Service Charge	Monitor the implementation of the Waste Management Service Charge	Manager, District Services	Annually	
Landfills	Continue Implementation of closure plans for Haslam, Wirrulla and Poochera	Capping of site and revegetation in accordance with LEMP	Manager, District Services	2021	
		Surrender of licence	Manager, District Services	2021	

	Closure Plans – Streaky Bay	Continue implementation of closure plan for Streaky Bay Landfill	Manager, District Services	2021	
	Waste Management Strategy	Review and update Council's Waste Management Strategy 2021	Manager, District Services	2021	
Landfill	Salvage Area	Implement salvage area/yard at Cungena landfill	Manager, District Services	2020	
Land Management	Review	Review the suitability or otherwise of retaining existing land purchased for waste management purposes	Manager, Regulatory Services	2021	

Operational	Government Grants	Pursue Government grants appropriate to the implementation of the Waste Management Strategy	Manger, District Services		
	Waste volumes	Implement measures to weigh and record waste volumes being received at sides – Weights for weighing recycled materials – truck volumes	Manger, District Services		
Collection	Kerbside Service	Introduction of kerbside Recycling Bin Operations to complement existing kerbside service	Manager, District Services	2019	
Collections	Promotions	Implement quarterly educational promotions on waste recycling	Manager, District Services Manger, Community & Economic Development	Quarterly/Ongoing	

Kerbside Services	Garden Bin and Food Waste Operations	Kitchen Caddy Program	Manager, District Services	2019	
		Green waste kerbside collection or continued free delivery, and green waste drop off days	Manager, District Services	2021	