

Annex A

Information Booklet and Survey



South East Metropolitan Regional Council **Environmental & Waste Management in the Region**

Dear Resident,

The South East Metropolitan Regional Council (SEMRC) is responsible for the long-term waste management planning of the region. The Council requests your help in completing an important survey.

The Council has commissioned a feasibility study into the building of a regional facility for reuse and recycling of household waste. Such a facility is required to cater for future waste management needs.

The feasibility study is about to reach an important stage. Suitable resource recovery processes/ technologies will be determined and viable sites identified for a facility.

Deciding What's Important Before Assessing Options

Before this assessment can happen, the SEMRC is consulting the community on a set of draft decision-making criteria. The SEMRC has worked with technical consultants and a Community Reference Group (CRG) to develop these draft criteria.

You are invited to complete this questionnaire. The information obtained from the survey will influence the final site and technology selection criteria and specifically, will:

- be used in a stakeholder forum being held to make a recommendation on the relative weighting of selection criteria; and
- allow a comparison of community priorities among the selection criteria following this stakeholder forum.

Knowledge of waste management and environmental issues is not needed for you to be able to complete this survey. While the SEMRC is the lawfully constituted body responsible for making decisions in relation to waste management matters in the region, the commitment to consult the community and your participation in this survey does not in any way transfer or reduce this responsibility and accountability for decisions made.

Your thoughts are important and we would appreciate your contribution.

For more detailed information, please visit our website at www.semrc.wa.gov.au.

Jan Grimoldby

Chief Executive Officer

Be assured that no site has been selected or will be selected until this community feedback is received.

Feasibility Study Overview

The SEMRC has commissioned a consultancy team led by Clifton Coney Group to develop a business plan for achieving its vision for waste management in the region.

TASK		CONSULTATION	TARGET DATE
Phase 1			
1	Project Management Plan and Schedule	CRG	Sept 2005
2	Site and Technology Options Guiding Principles	CRG	July 2006
3	Preliminary Technical and Financial Assessment	CRG	Mar 2007
4	Consultation with Community Reference Group (CRG)	CRG	
4a	Community Engagement	CRG	Nov 2006
5	Preliminary Assessment of Sites and Technologies	CRG Goldfish Bowl Conversations Deliberative Opinion Poll Community Forum	Dec 2006
6	SEMRC Participant Consultation	CRG	April 2007
Phase 2			
7	Preferred Sites and technologies for the Project	Public Exhibition / CRG	May 2007
8	Waste Collection Systems	CRG	Nov 2006
9	Financial Models	CRG	Mar 2007
Phase 3			
10	Staging of the Project	to be confirmed	Oct 2007
11	Contract Delivery Mechanism	to be confirmed	Oct 2007
12	Business Plan, Participating Members' Agreement and Project Plan	to be confirmed	Oct 2007

Purpose of this Survey

The survey will provide a statistically accurate picture of how important the community views each aspect of the facility's siting and operation. The regional community is defined as residents of the six local government areas participating in the feasibility study: Gosnells, Armadale, South Perth, Mandurah, Murray, Serpentine-Jarrahdale; as well as the two adjacent communities of Rockingham, and Kwinana.

A forum is to be held at which nominated stakeholders will be able to find out much more about how and why the SEMRC decided upon the draft criteria. The forum will review the findings of this survey to make a recommendation on a reviewed set of assessment criteria and weightings.

If you have any questions regarding this survey, please contact:

Consultation Process

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Environmental Resources Management
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Survey Completion

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Savant Surveys and Strategies
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What is a Regional Resource Recovery Facility?

A resource recovery facility (RRF) processes primarily household waste. This may include the following:

- Materials Recycling Facility - where recyclables are sorted, packed and sold for reuse;
- Composting Plant - where domestic rubbish is processed and converted to a compost material;
- Green Waste Processing - where green waste (garden waste, tree loppings) is processed and chipped, mulched and possibly composted; and an
- Education Centre – where environmental education activities may be undertaken.

Excluded Technologies

Three technologies are excluded from consideration as the primary waste management system:

Technology	Rationale
Incineration / Thermal	This decision has been made in view of the high level of public concern about the environmental performance of thermal technologies.
Landfill	It is State Government environment policy to reduce reliance on landfill as a primary waste management process due to the long-term damage to land, emissions of potent greenhouse gases (landfill gas), attraction of vermin and occasional odours/litter.
Bioreactor Landfill	This more efficient process still poses a risk of contamination to the surrounding groundwater, release of landfill gas and odour.

Attributes Essential for a Processing Technology

For a waste management process to be considered, it must be shown that the facility will:

- Meet technical and regulatory standards; and
- Be fully enclosed with effective controls over odour and surface/groundwater pollution.

Attributes Essential for Possible Sites

For a site to be considered, it must:

- Allow sufficient land area on which to locate the plant, associated activities and (where appropriate) separation distances from sensitive land uses (around 10 hectares);
- Be outside areas where Perth draws its drinking water supply; and
- Be zoned (or be readily rezoned) industrial under metropolitan and/or town planning schemes.

Community Involvement

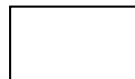
The SEMRC has worked with a community reference group (CRG) to develop policy positions and ensure the decision-making process is transparent. In the event that SEMRC does not agree with the advice of the CRG, there is a commitment to publicly report these reasons.

In addition to the attached survey, Phase 4 of the study allows community members to contribute through discussion groups (goldfish bowl conversations) and a community forum.

If you are interested in further information about the facility or the selection process, please visit www.semrc.wa.gov.au for more detailed documents which are also available in your local library.



55317



ENVIRONMENTAL & WASTE MANAGEMENT QUESTIONNAIRE

COMPLETION INSTRUCTIONS

PAPER QUESTIONNAIRE

Please use a BLACK pen

Please shade the circle completely ● Please write clearly in the boxes

1	2		A	B
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 PLEASE WRITE CLEARLY

When you have completed your questionnaire, please return it in the reply-paid envelope (free postage).

ON-LINE QUESTIONNAIRE

For your convenience, this questionnaire can also be completed on-line at: www.savant.net.au/survey/55317

For security purposes, to access the on-line questionnaire, you will be requested to enter the 6-digit password which has been printed inside the box just below to the right.

Please note, none of the numbers, nor the letter password, identify you in any way.

PART A: HOUSEHOLD DETAILS

This series of questions allow researchers to provide a statistically accurate picture of the views of the regional community.

A1. In which Local Government Authority do you live?

- | | | | |
|--------------------------------|--------------------------------|----------------------------------|---|
| <input type="radio"/> Armadale | <input type="radio"/> Kwinana | <input type="radio"/> Murray | <input type="radio"/> Serpentine-Jarrahdale |
| <input type="radio"/> Gosnells | <input type="radio"/> Mandurah | <input type="radio"/> Rockingham | <input type="radio"/> South Perth |

A2. Please provide your postcode.

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A3. How long have you lived at your current address?

- | | | |
|--|------------------------------------|--|
| <input type="radio"/> Less than 1 year | <input type="radio"/> 4 to 6 years | <input type="radio"/> 10 years or more |
| <input type="radio"/> 1 to 3 years | <input type="radio"/> 7 to 9 years | |

A4. With respect to the address where you currently live, please indicate if you are the:

- Owner
- Tenant / Occupier

PART B: YOUR DETAILS

B1. Please indicate your age (in years).

- | | | |
|--------------------------------|-----------------------------|----------------------------------|
| <input type="radio"/> Under 25 | <input type="radio"/> 35-44 | <input type="radio"/> 55-64 |
| <input type="radio"/> 25-34 | <input type="radio"/> 45-54 | <input type="radio"/> 65 or over |

B2. Please indicate your gender.

- Male
- Female

PART C: ABOUT THE SOUTH EAST METROPOLITAN REGIONAL COUNCIL (SEMRC)

C1. Before receiving this package, were you aware of the existence of the SEMRC?

- Yes
- No
- Not sure

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PART D: WHAT THE SEMRC CONSIDERS IMPORTANT FOR SITE SELECTION

SEMRC has drafted selection criteria to distinguish between the suitability of potential sites. It now wishes to understand community feeling on the relative importance of these criteria.

Adequate Separation or "Buffer" Distances Between Incompatible Land Uses

The sites short-listed should be sufficiently separated from sensitive land uses. This will ensure that any facility will not, under normal operating conditions, adversely affect the environment, a person's health, or any community amenity.

Any facility handling and treating significant quantities of organic wastes has the potential to produce offensive odours. Odours can potentially be emitted from the following plant areas:

- Waste screening and sorting.
- Composting or anaerobic digestion.
- Compost storage.
- Odour scrubbing equipment if overloaded or poorly maintained.

Any facility accepting quantities of waste may have areas of the plant that are potentially noisy. Principal areas of noise emissions are:

- Trucks delivering waste to the plant.
- The action of tipping waste loads.
- Sorting and screening of waste or recyclables, particularly glass and metal.
- Green waste shredding and grinding.
- Noise emitted from fans, pumps, blowers and other mechanical equipment.
- Noise from forklifts and front-end loaders used to handle waste, including reversing beepers.

D1. Please indicate how important it is to you that any resource recovery facility should be located on a site that is:

Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
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D1a. Separated from residential areas and other sensitive land uses (e.g. hospitals).

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Adequate Separation from Heritage Values

Sites of Aboriginal and European heritage will often require a "buffer" distance to prevent disturbance.

D2. Please indicate how important it is to you that any resource recovery facility should be located on a site that:

Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
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D2a. Does not cause disturbance to a culturally or historically significant site.

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Adequate Separation from Environmental Values

The Perth region is highly developed. As a result, the native vegetation and fauna habitat, including wetlands, are precious. Government policy aims to prevent loss of land identified as having high conservation value. Appropriate separation 'buffers' help prevent the spread of exotic species, weeds and diseases, by the wind, storm water and vehicles.

D3. Please indicate how important it is to you that any resource recovery facility should be located on a site that is:

Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
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D3a. Separated from key regional natural land uses (e.g. conservation areas, Bush Forever sites / regionally significant bushland, State Forest or National Park).

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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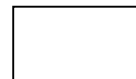
D3b. In an area that does not require clearing of locally significant bushland.

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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D3c. Separated from high conservation wetlands.

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**PART D (continued): WHAT THE SEMRC CONSIDERS IMPORTANT FOR SITE SELECTION****Surface and Groundwater**

Liquids escaping from waste facilities can potentially contain decomposing organic wastes, inert materials, chemicals and cleaning agents and small quantities of potentially hazardous materials. Despite the low risk of surface water contamination with an enclosed operation, it is desirable not to locate operational areas within 25 metres of a drainage point.

Similarly, an enclosed facility does not need to be sited above all risks of flood.

D4. Please indicate how important it is to you that any resource recovery facility should be located on a site that is:

	Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
D4a. Adequately separated from entries to storm water drains.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D4b. Outside the area of a one-in-20 year flood.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D4c. Above the groundwater level.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Sources of Drinking Water

Perth and surrounding areas rely on groundwater for a drinking supply. Guidelines for Priority 3 Source Drinking Water Area protection do permit activities that are a relatively low risk to groundwater quality.

D5. Please indicate how important it is to you that any resource recovery facility should be located on a site that is:

	Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
D5a. Outside Priority 3 Drinking Water Protection Areas.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Topography and Geology

Highly sloping sites increase the risk of rapid surface water flow and make management of surface water flows potentially difficult.

D6. Please indicate how important it is to you that any resource recovery facility should be located on a site that is:

	Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
D6a. On relatively flat land.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D6b. On geologically stable ground.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

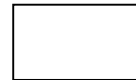
Transport

A 100,000 tonnes per annum plant will involve approximately 90 truck movements per day, therefore the site could be in reasonable proximity to a designated heavy haulage route to minimise use of suburban streets.

D7. Please indicate how important it is to you that any resource recovery facility should be located on a site that is:

	Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
D7a. Within 3km of a major haulage route and accessible from regional roads.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D7b. Near an existing freight railway line.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>





PART E: WHAT'S CONSIDERED IMPORTANT FOR TECHNOLOGY SELECTION

SEMRC has drafted selection criteria to distinguish between the suitability of potential technologies and processes.

Potential Technologies and Processes

It is preferable that the technology selected is proven on a commercial scale. However, this should not exclude innovative processes that may be more environmentally friendly or lower cost.

E1. Please indicate how important it is to you that:

	Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
E1a. It can be demonstrated the plant has operated reliably for a period of 2 years or more.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E1b. The costs and benefits over the whole life of the facility can be estimated with confidence.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Monitoring Against Key Performance Indicators

Monitoring against key performance indicators should provide a high degree of confidence for the community that the frequency and duration of failures will be within agreed, safe limits.

E2. Please indicate how important it is to you that:

	Extremely Important	Important	Somewhat Important	Neither Important nor Not Important	Not Very Important	Not Important	Of No Importance At All
E2a. It can be demonstrated any emissions and recovered resource meet accepted standards.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E2b. It can be demonstrated any emissions and recovered resource are likely to meet community environmental health expectations.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

PART F: HOW CAN I CONTRIBUTE TO FUTURE STEPS IN THE SELECTION PROCESS?

A number of respondents to this survey will be approached to take part in a community forum. The forum will receive presentations on the technologies available and participate in finalising the decision-making criteria for choosing both any facility's primary process technology and an suitable location for the plant.

If you would like to be considered as someone to attend the forum, please provide your name and contact details below.

Please note that your name and contact details will be provided to the forum organisers only and will not be associated with any of your answers to this questionnaire.

First Name

Surname

Phone Number

Email Address

THANK YOU FOR COMPLETING THE QUESTIONNAIRE.
WE ARE VERY GRATEFUL FOR YOUR VALUABLE INFORMATION

