MINISTER FOR THE ENVIRONMENT;
LABOUR RELATIONS

Statement No.

000517

STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED (PURSUANT TO THE PROVISIONS OF THE ENVIRONMENTAL PROTECTION ACT 1986)

REGIONAL RESOURCE RECOVERY CENTRE
PART LOTS 78 AND 85 BANNISTER ROAD, CANNING VALE

Proposal: The construction and operation of a Regional Resource Recovery Centre for the separation/processing of waste on Pt Lot 78 and Pt Lot 85 Bannister Road, Canning Vale, as documented in schedule 1 of this statement.

Proponent: Southern Metropolitan Regional Council

Proponent Address: Almondbury Road, ARDROSS WA 6153

Assessment Number: 1221

Report of the Environmental Protection Authority: Bulletin 938

The proposal to which the above report of the Environmental Protection Authority relates may be implemented subject to the following conditions and procedures:

1 Implementation

1-1 Subject to these conditions and procedures, the proponent shall implement the proposal as documented in schedule 1 of this statement.

1-2 Where the proponent seeks to change any aspect of the proposal as documented in schedule 1 of this statement in any way that the Minister for the Environment determines, on advice of the Environmental Protection Authority, is substantial, the proponent shall refer the matter to the Environmental Protection Authority.

1-3 Where the proponent seeks to change any aspect of the proposal as documented in schedule 1 of this statement in any way that the Minister for the Environment determines, on advice of the Environmental Protection Authority, is not substantial, those changes may be effected.

Published on

30 JUL 1999

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2 Proponent Commitments

2-1 The proponent shall implement the consolidated environmental management commitments documented in schedule 2 of this statement.

2-2 The proponent shall implement subsequent environmental management commitments which the proponent makes as part of the fulfilment of conditions and procedures in this statement.

3 Environmental Management System

3-1 In order to manage the environmental impacts of the project, and to fulfil the requirements of the conditions and procedures in this statement, prior to commissioning, the proponent shall demonstrate to the requirements of the Environmental Protection Authority on advice of the Department of Environmental Protection that there is in place an environmental management system which includes the following elements:

1 An environmental policy and corporate commitment to it;

2 Mechanisms and processes to ensure:

(1) planning to meet environmental requirements;

(2) implementation and operation of actions to meet environmental requirements;

(3) measurement and evaluation of environmental performance; and

3 Review and improvement of environmental outcomes.

3-2 The proponent shall implement the environmental management system referred to in condition 3-1.

4 Decommissioning and Rehabilitation Management Plan

4-1 At least six months prior to decommissioning, the proponent shall prepare a Decommissioning and Rehabilitation Management Plan to the requirements of the Environmental Protection Authority on advice of the Department of Environmental Protection.

This Plan shall address:

1 removal or, if appropriate, retention of plant and infrastructure;

2 rehabilitation of all disturbed areas to a standard suitable for agreed new land use/s; and

3 identification of contaminated areas, including provision of evidence of notification to relevant statutory authorities.

4-2 The proponent shall implement the Decommissioning and Rehabilitation Management Plan required by condition 4-1 until such time as the Minister for the Environment determines that decommissioning and rehabilitation are complete.

4-3 The proponent shall make the Decommissioning and Rehabilitation Management Plan required by condition 4-1 publicly available, to the requirements of the Environmental Protection Authority.

5 Performance Review

5-1 Each five years following the commencement of construction, the proponent shall submit a Performance Review to the Department of Environmental Protection:

- to document the outcomes, beneficial or otherwise;
- to review the success of goals, objectives and targets; and
- to evaluate the environmental performance over the five years;

relevant to the following:

1 environmental objectives reported on in Environmental Protection Authority Bulletin 938;

2 proponent's consolidated environmental management commitments documented in schedule 2 of this statement and those arising from the fulfilment of conditions and procedures in this statement;

3 environmental management system environmental performance targets;

4 environmental management programs and plans; and/or

5 environmental performance indicators;

to the requirements of the Environmental Protection Authority on advice of the Department of Environmental Protection.

Note: The Environmental Protection Authority may recommend changes and actions to the Minister for the Environment following consideration of the Performance Review.

6 Proponent

6-1 The proponent for the time being nominated by the Minister for the Environment under section 38(6) or (7) of the Environmental Protection Act 1986 is responsible for the implementation of the proposal until such time as the Minister for the Environment has exercised the Minister's power under section 38(7) of the Act to revoke the nomination of that proponent and nominate another person in respect of the proposal.

6-2 Any request for the exercise of that power of the Minister referred to in condition 6-1 shall be accompanied by a copy of this statement endorsed with an undertaking by the proposed replacement proponent to carry out the proposal in accordance with the conditions and procedures set out in the statement.

6-3 The proponent shall notify the Department of Environmental Protection of any change of proponent contact name and address within 30 days of such change.

7 Commencement

7-1 The proponent shall provide evidence to the Minister for the Environment within five years of the date of this statement that the proposal has been substantially commenced.

7-2 Where the proposal has not been substantially commenced within five years of the date of this statement, the approval to implement the proposal as granted in this statement shall lapse and be void. The Minister for the Environment will determine any question as to whether the proposal has been substantially commenced.

7-3 The proponent shall make application to the Minister for the Environment for any extension of approval for the substantial commencement of the proposal beyond five years from the date of this statement at least six months prior to the expiration of the five year period referred to in conditions 7-1 and 7-2.

7-4 Where the proponent demonstrates to the requirements of the Minister for the Environment on advice of the Environmental Protection Authority that the environmental parameters of the proposal have not changed significantly, then the Minister may grant an extension not exceeding five years for the substantial commencement of the proposal.

8 Compliance Auditing

8-1 The proponent shall submit periodic Performance and Compliance Reports, in accordance with an audit program prepared in consultation between the proponent and the Department of Environmental Protection.

8-2 Unless otherwise specified, the Chief Executive Officer of the Department of Environmental Protection is responsible for assessing compliance with the conditions, procedures and commitments contained in this statement and for issuing formal, written advice that the requirements have been met.

8-3 Where compliance with any condition, procedure or commitment is in dispute, the matter will be determined by the Minister for the Environment.

Note

1 The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the Environmental Protection Act.

CHERYL EDWARDES (Mrs) MLA
MINISTER FOR THE ENVIRONMENT

30 JUL 1999

Schedule 1

The Proposal (1221)

The proposal is for the construction and operation of a Regional Resource Recovery Centre for the separation/processing of waste.

The proposal has three main components, as follows:

- an In-vessel Composting Facility;
- a Materials Recycling Facility; and
- a Greenwaste Processing Facility.

The proposal site is Part Lot 78 and Part Lot 85 Bannister Road, Canning Vale, City of Canning.

Key Characteristics Table

Element	Quantities/Description
Location	Pt Lot 78 and Pt Lot 85 Bannister Road, Canning Vale.
Nature of operation	Resource recovery, including recycling and waste processing.
Total area of site	12 hectares.
Area to be cleared	11 hectares.
Inputs	• municipal solid waste (MSW); • commercial putrescible waste; • co-mingled dry recyclables; • green waste; • biosolids; and • liquid wastes (categories 1-4).
Outputs/products	• stabilised compost; • segregated recyclables (paper, plastic, glass, ferrous and non-ferrous metals); • chipped green waste; and • residual waste (to landfill).

In-vessel Composting Facility Major components	• enclosed building of approximately 25 000 square metres, which is maintained under negative pressure; • four in-vessel composting digesters capable of composting 100 000 tonnes of waste and 50 000 tonnes of biosolids and liquid wastes (likely to be a 40:60 mix) per year; • associated conveyors and screening equipment; • internal compost maturation area of approximately 1 000 square metres; • external compost (mature) storage area of approximately 1 600 square metres; and • biofilter consisting of 5 cells, with each cell being approximately 60 metres by 6 metres.
Waste acceptance rate:	350 tonnes per day of municipal solid waste plus 160 tonnes per day of biosolids/liquid wastes.
Materials Recycling Facility Major components	• building of approximately 8000 square metres with enclosed discharge and loading areas; and • automated and manual sorting equipment capable of sorting 30 000 tonnes of co-mingled recyclables per year.
Waste acceptance rate:	115 tonnes per day of co-mingled recyclables.
Greenwaste Processing Facility Major components	• enclosed building of approximately 600 square metres; • a single greenwaste grinder capable of processing 30 000 tonnes of greenwaste per year; • external greenwaste receival area of approximately 2 400 square metres; and • external mulch storage area of approximately 1 600 square metres.
Waste acceptance rate:	100 tonnes per day of greenwaste.
Other infrastructure	• administration building; and • two weighbridges.

Plans

Figure 1 shows the plant layout.

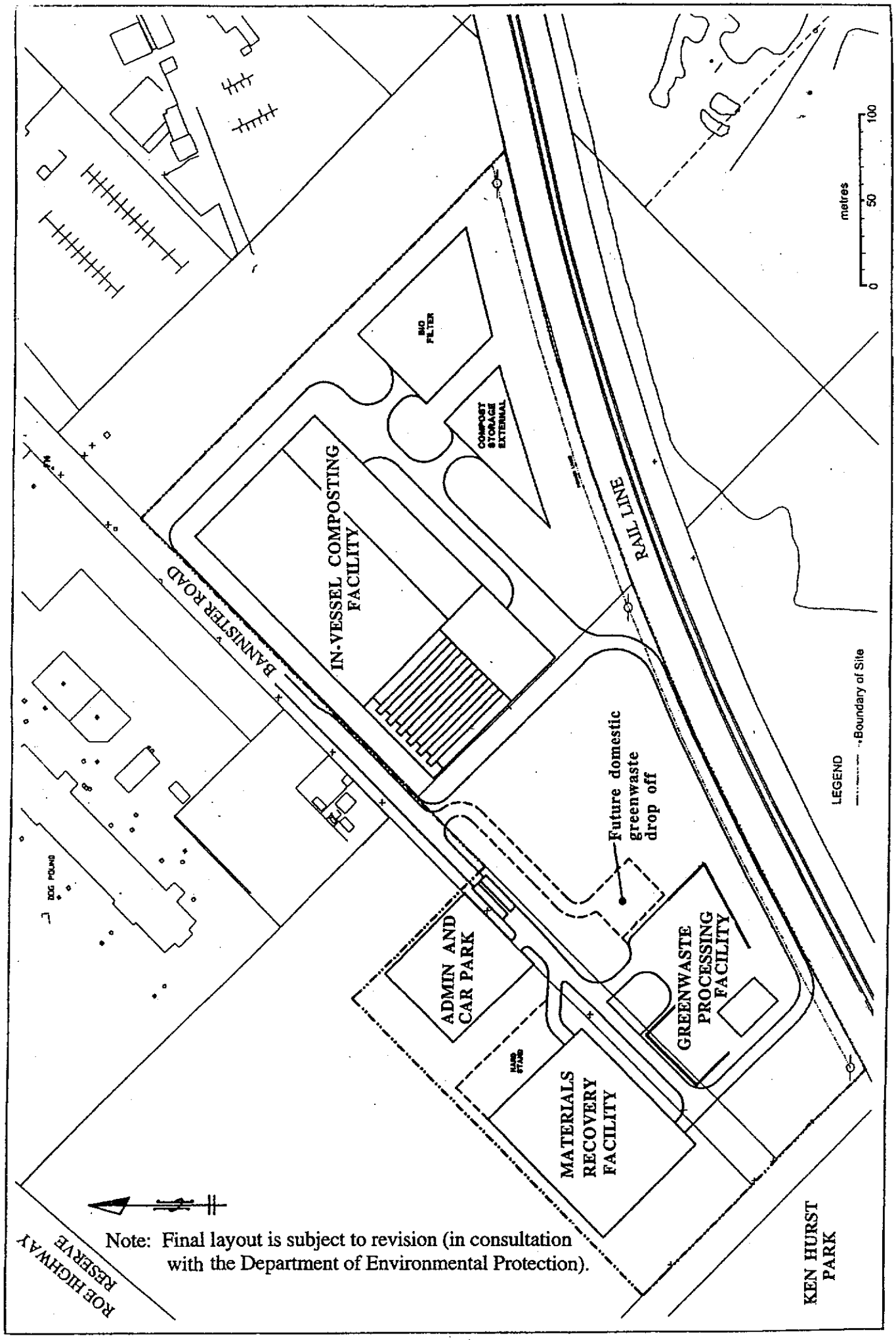

Figure 1. Draft plant layout

Schedule 2

Proponent's Consolidated Environmental Management Commitments

10 June 1999

REGIONAL RESOURCE RECOVERY CENTRE PART LOTS 78 and 85 BANNISTER ROAD, CANNING VALE (1221)

SOUTHERN METROPOLITAN REGIONAL COUNCIL

PROPONENT'S COMMITMENTS (1221)

TOPIC	OBJECTIVE	No.	ACTION	TIMING	TO WHOSE REQUIREMENTS	MEASUREMENT/ COMPLIANCE CRITERIA
Biophysical:						
Vegetation	To minimise the impacts associated with clearing of vegetation.	1.	A Landscape Plan will be prepared which includes: • Review plant design, as proposed in the CER, for reasonable opportunities to preserve additional remnant vegetation on the site. • Retention of vegetation on the site adjacent to Ken Hurst Park where feasible. In this area access to preserved remnant vegetation will be restricted and fences will be designed to permit free access for fauna to the larger area of vegetation in Ken Hurst Park. • Rehabilitation and landscaping following completion of construction with vegetation types indigenous to the area in order to return the site as far as practical to its natural state.	Prior to construction.	DEP	Landscape Plan prepared to the satisfaction of the DEP prior to clearing commencing. (i) Letter from CALM verifying acceptability of plan. (ii) Approval letter from DEP prior to clearing occurring.
		2.	The Landscape Plan will be implemented as approved by the DEP.	Throughout life of project.	DEP	Verification of clearing included in Performance & Compliance Report (PCR).
Fauna	To minimise local impact on fauna.	3.	A Fauna Management Plan will be prepared that includes the following: • Boundary fences to be erected prior to clearing commencing; • Investigate the need for a trapping program to capture vertebrate fauna of particular significance such as the Southern Brown Bandicoot; and • Relocation of any trapped animals to be in accordance with the requirements of CALM.	Prior to construction.	CALM	A Fauna Management Plan will be prepared to the satisfaction of CALM. CALM verification letter of acceptability of plan.

TOPIC	OBJECTIVE	No.	ACTION	TIMING	TO WHOSE REQUIREMENTS	MEASUREMENT/ COMPLIANCE CRITERIA
		4.	The Fauna Management Plan will be implemented as approved by the DEP.	Throughout the life of project	CALM	Verification letter of relocation included in PCR.
Pollution Management:						
Water	To prevent contamination of groundwater in the vicinity of the site.	5.	The plant design of each facility will meet or exceed the requirements of the Draft Code of Practice for Storing and Processing of Green and Organic Wastes in order to reduce the potential for contamination of surface or ground water.	Prior to construction of each facility.	DEP	The final design of the plant and the location of monitoring bores will be to the satisfaction of DEP through the works approval and licensing process.
		6.	The design will have all waste processing areas within enclosed buildings with impermeable floors incorporating drainage sumps, where required, to trap leachate for treatment.	Prior to construction of each facility.	DEP	The final design of the plant and the location of monitoring bores will be to the satisfaction of DEP through the works approval and licensing process.
		7.	Monitoring bores (one upstream and two downstream of the site) will be installed to monitor groundwater quality.	Prior to clearing of site.	DEP	The final design of the plant and the location of monitoring bores will be to the satisfaction of DEP through the works approval and licensing process.
		8.	All wastes with a potential to impact on surface or ground water quality will be stored or handled or processed in enclosed facilities with impermeable floors and sumps to trap leachate for treatment.	During Operation	DEP	Reported in PCR.
		9.	Ground water monitoring bores will be monitored and the results reported in an annual compliance report as required by DEP.	Throughout life of project	DEP	The results of monitoring will be submitted to DEP annually.
		10.	If groundwater pollution is detected above background levels, pollution sources on-site will be investigated and reported to DEP.	Throughout life of project.	DEP	Reported in PCR.

TOPIC	OBJECTIVE	No.	ACTION	TIMING	TO WHOSE REQUIREMENTS	MEASUREMENT/ COMPLIANCE CRITERIA
Odour	To ensure that odour emissions do not cause nuisance to surrounding land users.	11.	Any areas of the plant housing equipment or processes that have the potential to generate significant odours will be housed in enclosed buildings or undertaken in enclosed vessels that are ducted to a biofilter.	Prior to construction of each facility.	DEP	The final design of the plant will be to the satisfaction of DEP through the works approval and licensing process.
		12.	A further assessment of the odour emissions from the final plant configuration to demonstrate compliance with odour assessment criteria.	Prior to construction of each facility.	DEP	Odour criteria identified in CER 2.5 odour units (99.5%, 3 minute average)
		13.	That plant and associated odour control and ventilation equipment for the in-vessel composting facility incorporates multiple redundancy in the plant design to minimise the likelihood of plant failure and associated odour impacts	Prior to construction of each facility.	DEP	The final design of the plant will be to the satisfaction of DEP through the works approval and licensing process.
		14.	An Odour Monitoring Program (OMP) will be developed for the composting facility to measure compliance with relevant standards and performance objectives for the facility. The Odour Monitoring Program will incorporate the following elements: • Assessment of the odour emissions from the biofiliter using dynamic olfactometry and modelling of emissions data to assess ambient impacts • Qualitative assessment of the odour emissions form the in-vessel compost plant by the facility supervisor at least twice per shift • Independent qualitative assessment of odours • Assessment of odour complaint data	Prior to commissioning Prior to operation	DEP	Approval letter from DEP on OMP.
		15.	The Odour Management Plan will be implemented.	During operation	DEP	Verified in PCR.

TOPIC	OBJECTIVE	No.	ACTION	TIMING	TO WHOSE REQUIREMENTS	MEASUREMENT/ COMPLIANCE CRITERIA
		16.	The odour emission potential of stabilised compost will be assessed and the results reported to the DEP prior to commencing use of the external storage area	During operation	DEP	Approval letter from DEP.
		17.	All wastes identified as having a significant odour potential will be processed in a timely manner that prevents unacceptable odour impacts off-site.	During operation	DEP	80% MSW delivered to in-vessel compost plant processed within 24 hours of delivery.
		18.	All complaints will be registered and investigated within 48 hours.	During operation	DEP	Log available on request. Summary in PCR.
		19.	The composting building will be regularly inspected and maintained to reduce leakage of potentially odourous air out of the facility.	During operation	DEP	Reported in PCR.
		20.	Maintenance and contingency procedures will be developed and implemented to minimise odour impacts.	During operation	DEP	Maintenance and contingency procedures relevant to environmental performance will form part of the site EMS approval prepared to the satisfaction of the DEP.
Particulates/ Dust	To ensure that dust does not adversely impact on the health or amenity of nearby residents.	21.	Management measures such as the use of water sprays, mulching or re-vegetation will be used, as required, to minimise particulate emissions during construction	During construction.	DEP	The final design and operation of the plant will be to the satisfaction of DEP through the works approval and licensing process.
		22.	All waste processing areas with a significant potential for particulate emissions will be housed in enclosed buildings.	Prior to commissioning	DEP	Verified in PCR.
		23.	All waste processing activities with a potential for particulate emissions will be undertaken in enclosed buildings.	During operation.	DEP	Verified in PCR.
		24.	Misting water sprays will be used as necessary to limit the emission of dust or particulates.	During operation.	DEP	Verified in PCR.

TOPIC	OBJECTIVE	No.	ACTION	TIMING	TO WHOSE REQUIREMENTS	MEASUREMENT/ COMPLIANCE CRITERIA
Noise	To protect the amenity of nearby residents from noise by ensuring that noise levels meet the Environmental Protection (Noise) Regulations 1997.	25.	The facility will be designed and constructed to comply with the assigned levels defined by Environmental Protection (Noise) Regulations, 1997.	Prior to construction	DEP	The final design and operation of the plant will be to the satisfaction of DEP through the works approval and licensing process.
		26.	Additional assessment and modelling of the noise emissions from the final plant configuration will be undertaken once the design is finalised to demonstrate compliance with the assigned level in the Environmental Protection (Noise) Regulations, 1997.	Prior to construction of each facility.	DEP	The final design and operation of the plant will be to the satisfaction of DEP through the works approval and licensing process.
		27.	Plant purchased will have a sound power level rating equal to or less than the values provided in Table A attached (Table 16 of the CER) unless additional modelling shows compliance using plant with higher sound power levels.	Throughout the life of the project.	DEP	The final design and operation of the plant will be to the satisfaction of DEP through the works approval and licensing process.
		28.	Noise levels will be monitored periodically during construction (At least twice during the first month of significant construction activity).	At least twice during construction.	DEP	Monitoring data reported in PCR.
		29.	Operational procedures will be developed and implemented to ensure compliance with the assigned levels defined by Environmental Protection (Noise) Regulations, 1997 including • Equipment operating times. • Noise monitoring procedures. • Complaint handling and registration procedures.	Developed prior to commissioning and implemented during operation.	DEP	Operation procedures will be contained in the EMS for the site prepared to the satisfaction of the DEP.

TOPIC	OBJECTIVE	No.	ACTION	TIMING	TO WHOSE REQUIREMENTS	MEASUREMENT/ COMPLIANCE CRITERIA
Wastes/ Products	To reduce as far as practicable the generation of solid and liquid wastes and to dispose of wastes in a manner that is environmentally acceptable and meets statutory standards.	30.	All waste materials generated by the facility will disposed of at facilities approved for accepting the relevant waste.	During operation	DEP	The final design and operation of the plant will be to the satisfaction of DEP through the works approval and licensing process.
		31.	The quality of compost and mulches will be monitored for compliance with relevant compost quality criteria.	Procedures will be developed prior to commissioning and implemented during operation	DEP	An end-use plan for the compost which incorporates the quality criteria of relevant international and Australian Standards will be prepared for approval by DEP.
		32.	Contingency procedures will be developed and implemented for management or disposal of compost that does not comply with relevant compost quality criteria.	Prior to commissioning	DEP	Letter of approval from DEP.
Social Surroundings:						
Flammable/ Explosive gases	To ensure the public is not exposed to unreasonable risk from the facility.	33.	Flammable gas detection and alarm systems will be installed, maintained and operated in the composting plant to provide early warning of flammable gases being produced.	Prior to commissioning and during operation.	DEP	Detailed design and procedures will be described in the works approval. Verification in PCR.
		34.	A community education program will be developed to provide information to the regional community on the correct procedures for disposing of household hazardous waste.	Prior to commissioning.	DEP	Verified in PCR.
		35.	Procedures for identifying and managing hazardous materials in the incoming waste stream will be developed and implemented. These will include procedures for ensuring that wastes are segregated and stored in properly designed facilities and then disposed of at an approved facility.	Prior to commissioning.	DEP	Verified in PCR.

TOPIC	OBJECTIVE	No.	ACTION	TIMING	TO WHOSE REQUIREMENTS	MEASUREMENT/ COMPLIANCE CRITERIA
		36.	Contingency plans will be developed to minimise the potential for generation of flammable gas during plant upset conditions such as power failures or equipment breakdown.	Prior to commissioning.	DEP	Verified in PCR.
		37.	Contingency Plan to be implemented.	Throughout life of the project	DEP	Verified in PCR.
Public Consultation	To provide the public with ample opportunity to fully understand the environmental aspects of the proposed facility.	38.	A community education program will be undertaken to familiarise the regional community with the purpose and operation of the plant and encourage appropriate waste segregation.	Program has commenced and will continue throughout life of project.	DEP	Program to be carried out and outcomes to be reported in the PCR.

Abbreviations:

CALM - Department of Conservation and Land Management.
DEP - Department of Environmental Protection.

CER - Consultative Environmental Review.
MSW - municipal solid waste.
OMP - Odour Monitoring Program.
PCR - Performance and Compliance Report.

TABLE A

NOISE SOURCES AND SOUND POWER LEVELS

Item	Quantity	Sound Power Level
IN-VESSEL COMPOSTING BUILDING [1,2]		
Tipping Floor Building		
Bobcat	1	102 dB(A)
Dump Truck	1	102 dB(A)
Digester Ram Feed *#	5	90 dB(A)
Digester Blower *#	5	92 dB(A)
Main Process Building		
Front End Loader	2	102 dB(A)
Primary Trommel Screen #	1	96 dB(A)
Secondary Trommel Screen	3	96 dB(A)
Aeration Blower *#	72	92 dB(A)
External		
Exhaust Blower *#	5	92 dB(A)
Digester Drive *#	5	99 dB(A)
MATERIALS RECOVERY FACILITY		
Dump Truck	1	102 dB(A)
Fork Lift	1	98 dB(A)
Main Trommel Screen	1	111 dB(A)
Plastic Trommel Screen	1	105 dB(A)
Glass Trommel Screen	1	112 dB(A)
Other Noise Sources [3]	N/A	104 dB(A)
GREEN WASTE GRINDING BUILDING		
Green Waste Grinder	1	111 dB(A)
MOBILE EQUIPMENT		
Dump Truck	2	102 dB(A)
Front End Loader	1	102 dB(A)

Notes:

* *Indicates that these items were considered for night time assessment.*

\# *Indicates that these items were considered for Sunday day time assessment.*

1. *Sound power levels are $L_{A\,max}$ levels and relate to each individual plant item.*
2. *Conveyor belts and drives were not modelled as these items should not significantly influence the noise environment. Similarly, the crawler cranes and screw feed turners, which will be used to aerate compost, were not modelled.*
3. *Other noise sources include glass crushers, vibrating beds, baling machines and conveyors.*

Attachment 1 to Ministerial Statement 517

Change to proposal approved under section 45C of the *Environmental Protection Act 1986*

This Attachment replaces Schedule 1 and Figure 1 of Ministerial Statement 517

Proposal: **Regional Resource Recovery Centre, Part Lots 78 and 85 Bannister Road, Canning Vale**

Proponent: **Southern Metropolitan Regional Council**

Changes:

- Increase the processing capacity of co-mingled recyclables from 30,000 tonnes per year to 120,000 tonnes per year
- Increase the waste acceptance rate from 115 tonnes per day to up to 500 tonnes per day
- Extend the indicative operational hours of the Materials Recycling Facility from Monday to Saturday 0700 to 1900, to Monday to Saturday 0600 to midnight and Sunday 0600 to 1800.

Table 1: Summary of the Proposal

Proposal Title	Regional Resource Recovery Centre, Part Lots 78 and 85 Bannister Road, Canning Vale
Short Description	The proposal is for the construction and operation of a Regional Resource Recovery Centre for the separation/processing of waste. The proposal has three main components, as follows: • an In-vessel Composting Facility; • a Materials Recycling Facility; and • a Greenwaste Processing Facility. The proposal site is located on Part Lot 78 and Part Lot 85 Bannister Road, Canning Vale, City of Canning.

Table 2: Location and authorised extent of physical and operational elements

Element	Location	Previously Authorised Extent	Authorised Extent
Location	Figure 1 and 2	Pt Lot 78 and Pt Lot 85 Bannister Road, Canning Vale.	Pt Lot 78 and Pt Lot 85 Bannister Road, Canning Vale.
Nature of operation		Resource recovery, including recycling and waste processing.	Resource recovery, including recycling and waste processing.
Total area of site	Figure 2	12 hectares	12 hectares
Area to be cleared	Figure 2	11 hectares	11 hectares

Element	Location	Previously Authorised Extent	Authorised Extent
Inputs		• municipal solid waste (MSW); • commercial putrescible waste; • co-mingled dry recyclables; • green waste; • biosolids; and • liquid wastes (categories 1-4).	• municipal solid waste (MSW); • commercial putrescible waste; • co-mingled dry recyclables; • green waste; • biosolids; and • liquid wastes (categories 1-4).
Outputs/products		• stabilised compost; • segregated recyclables (paper, plastic, glass, ferrous and non-ferrous metals); • chipped green waste; and • residual waste (to landfill).	• stabilised compost; • segregated recyclables (paper, plastic, glass, ferrous and non-ferrous metals); • chipped green waste; and • residual waste (to landfill).
In-vessel Composting Facility Major components	Figure 2	• enclosed building of approximately 25,000 square metres, which is maintained under negative pressure; • four in-vessel composting digesters capable of composting 100,000 tonnes of waste and 50,000 tonnes of biosolids and liquid wastes (likely to be 40:60 mix) per year; • associated conveyors and screening equipment; • internal compost maturation area of approximately 1,000 square metres; • external compost (mature) storage area of approximately 1,600 square metres; and • biofilter consisting of 5 cells, with each cell being approximately 60 metres by 6 metres.	• enclosed building of approximately 25,000 square metres, which is maintained under negative pressure; • four in-vessel composting digesters capable of composting 100,000 tonnes of waste and 50,000 tonnes of biosolids and liquid wastes (likely to be 40:60 mix) per year; • associated conveyors and screening equipment; • internal compost maturation area of approximately 1,000 square metres; • external compost (mature) storage area of approximately 1,600 square metres; and • biofilter consisting of 5 cells, with each cell being approximately 60 metres by 6 metres.

Element	Location	Previously Authorised Extent	Authorised Extent
Waste Acceptance rate		350 tonnes per day of municipal solid waste plus 160 tonnes per day of biosolids/liquid wastes.	350 tonnes per day of municipal solid waste plus 160 tonnes per day of biosolids/liquid wastes.
Materials Recycling Facility Major components	Figure 2	• building of approximately 8000 square metres with enclosed discharge and loading areas; and • automated and manual sorting equipment capable of sorting 30,000 tonnes of co-mingled recyclables per year.	• building of approximately 8000 square metres with enclosed discharge and loading areas; and • automated and manual sorting equipment capable of sorting **120,000** tonnes of co-mingled recyclables per year.
Waste acceptance rate		115 tonnes per day of co-mingled recyclables.	**500** tonnes per day of co-mingled recyclables.
Greenwaste Processing Facility Major components	Figure 2	• enclosed building of approximately 600 square metres; • a single greenwaste grinder capable of processing 30,000 tonnes of greenwaste per year; • external greenwaste receival area of approximately 2,400 square metres; and • external mulch storage area of approximately 1,600 square metres.	• enclosed building of approximately 600 square metres; • a single greenwaste grinder capable of processing 30,000 tonnes of greenwaste per year; • external greenwaste receival area of approximately 2,400 square metres; and • external mulch storage area of approximately 1,600 square metres.
Waste acceptance rate		100 tonnes per day of greenwaste.	100 tonnes per day of greenwaste.
Other infrastructure	Figure 2	• administration building; and • two weighbridges.	• administration building; and • two weighbridges.

Note: Text in **bold** in Table 2 indicates a change to the proposal.

Figures (attached) – all previous Figures in Schedule 1 are replaced by the following:

Figure 1 Regional location
Figure 2 Development envelope

Coordinates defining the development envelope are held by the Department of Water and Environmental Regulation, Document Reference Number DWERDT288440.

[Signed 2 October 2020]

Dr Tom Hatton
CHAIRMAN
Environmental Protection Authority
under delegated authority

Figure 1: Regional location

Figure 2: Development envelope

Attachment 2 to Ministerial Statement 517

Amendment to proposal approved under section 45C of the *Environmental Protection Act 1986*

This Attachment replaces Attachment 1 of Ministerial Statement 517

Proposal: Regional Resource Recovery Centre Part Lots 78 and 85 Bannister Rd, Canning Vale

Proponent: Southern Metropolitan Regional Council

Changes:

The proposal is for modifying the original in-vessel composting facility which handles the mixed Municipal Solid Waste stream into a Food Organics Garden Organics (FOGO) processing facility. The changes include:

- installation and operation of modified equipment in the Receival Hall;
- modify handling procedures for MSW to include temporary storage within tipping building
- revised inputs limits to align with Part V license waste types and input volumes
- providing contemporary definitions of Outputs/Products

Table 1: Summary of the proposal

Proposal title	Regional Resource Recovery Centre Part Lots 78 and 85 Bannister Rd, Canning Vale
Short description	The proposal is for the construction and operation of a Regional Resource Recovery Centre for the separation/processing of waste. The proposal has three main components, as follows: • an In-vessel Composting Facility • a Materials Recycling Facility; and • a Greenwaste Processing Facility The proposal site is located on Part Lot 78 and Part Lot 85 Bannister Road, Canning Vale, City of Canning.

Table 2: Location and authorised extent of physical and operational elements

Element	Location	Previously authorised extent	Authorised extent
Location	Figure 1 and 2	Pt Lot 78 and Pt Lot 85 Bannister Road, Canning Vale.	Pt Lot 78 and Pt Lot 85 Bannister Road, Canning Vale.

Element	Location	Previously authorised extent	Authorised extent
Nature of Operation		Resource recovery, including recycling and waste processing.	Resource recovery, including recycling and waste processing.
Total area of site	Figure 2	12 hectares	12 hectares
Area to be cleared	Figure 2	11 hectares	11 hectares
Inputs		• Municipal Solid Waste (MSW); • Commercial putrescible waste; • co-mingled dry recyclables; • green waste; • biosolids; and • liquid wastes (categories 1-4).	• Municipal Solid Waste (MSW); • Commercial putrescible waste; • co-mingled dry recyclables; • **Food organics (FO) and garden organics (FOGO**); • green waste; • biosolids; and • liquid wastes (categories 1-4).
Outputs/Products		• stabilised compost; • segregated recyclables (paper, plastic, glass, ferrous and non-ferrous metals); • chipped green waste; and • residual waste (to landfill).	• **processed organic waste**; • segregated recyclables (paper, plastic, glass, ferrous and non-ferrous metals); • chipped green waste; and • residual waste (to landfill and **waste to energy**).

Element	Location	Previously authorised extent	Authorised extent
Composting Facility Major components	Figure 2	• enclosed building of approximately 25,000 square metres, which is maintained under negative pressure; • four in-vessel composting digesters capable of composting 100,000 tonnes of waste and 50,000 tonnes of biosolids and liquid wastes (likely to be 40:60 mix) per year; • associated conveyors and screening equipment; • internal compost maturation area of approximately 1,000 square metres; • external compost (mature) storage area of approximately 1,600 square metres; and • biofilter consisting of 5 cells, with each cell being approximately 60 metres by 6 metres.	• enclosed building of approximately 25,000 square metres, which is maintained under negative pressure; • associated conveyors and screening equipment; • internal compost maturation area of approximately 1,000 square metres; • external compost (mature) storage area of approximately 1,600 square metres; • biofilter consisting of 5 cells, with each cell being approximately 60 metres by 6 metres; • **third party plastic reprocessing facility;** • **Internal Infrastructure processing facility enclosed within the aeration floor; and** • **Automated and manual sorting equipment used in processing plastics**.
Waste Acceptance rate		350 tonnes per day of municipal solid waste plus 160 tonnes per day of biosolids/liquid wastes.	**Up to 150,000 tonnes of FOGO, FO, MSW and biosolids/liquid waste per year with a maximum of 600 tonnes per day of FOGO, FO and MSW plus** 160 tonnes per day of biosolids/liquid wastes.

Element	Location	Previously authorised extent	Authorised extent
Materials Recycling Facility Major components	Figure 2	• building of approximately 8000 square metres with enclosed discharge and loading areas; and • automated and manual sorting equipment capable of sorting 120,000 tonnes of co-mingled recyclables per year.	• building of approximately 8,000 square metres with enclosed discharge and loading areas; and • automated and manual sorting equipment capable of sorting 120,000 tonnes of co-mingled recyclables per year.
Waste acceptance rate		500 tonnes per day of co-mingled recyclables.	Up to 120,000 tonnes of co-mingled recyclables per year with a maximum of 500 tonnes per day.
Greenwaste Processing Facility Major components	Figure 2	• enclosed building of approximately 600 square metres; • a single greenwaste grinder capable of processing 30,000 tonnes of greenwaste per year; • external greenwaste receival area of approximately 2,400 square metres; and • external mulch storage area of approximately 1,600 square metres.	• enclosed building of approximately 600 square metres; • a single greenwaste grinder capable of processing 30,000 tonnes of greenwaste per year; • external greenwaste receival area of approximately 2,400 square metres; and • external mulch storage area of approximately 1,600 square metres.
Waste acceptance rate		100 tonnes per day of greenwaste.	Up to 30,000 tonnes of greenwaste per year with a maximum of 100 tonnes per day.
Other infrastructure	Figure 2	• administration building; and • two weighbridges.	• administration building; and • two weighbridges.

Note: Text in **bold** in Table 2 indicates a change to the proposal.

Table 3: Abbreviations

Abbreviation	Term
CEO	Chief Executive Officer
ha	hectare

Abbreviation	Term
km	kilometre
MSW	Municipal Solid Waste
FOGO	Food Organics Garden Organics
FO	Food and Organics

Figures (attached)

Figure 1: Regional location
Figure 2: Development Envelope

Coordinates defining the development envelope are held by the Department of Water and Environmental Regulation, Document Reference Number DWERDT288440.

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under delegated authority

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Figure 1: Regional Location

Figure 2: Development Envelope