



Application for Licence

Division 3, Part V *Environmental Protection Act 1986*

Licence Number	L9008/2016/1
Applicant	Community Greenwaste Recycling Pty Ltd
ACN	607 612 073
File Number	DER2016/002200-1
Premises	Community Greenwaste Recycling Lease Area 7, 190 Flynn Drive, Neerabup Legal description - Part Lot 5 on Diagram 91435 Certificate of Title Volume 2083 Folio 241 As defined by the coordinates in Schedule 1 of the Licence
Date of Report	1 February 2019

Overview of premises

Classification of premises

Classification of Premises	Description	Approved Premises production or design capacity or throughput
Category 61A	Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated or discharged onto land.	25,000 tonnes per annual period

Description of proposed activity

The application states that Community Greenwaste Recycling is proposing to accept green waste for sorting, storing and shredding prior to removal off-site. Waste will be visually checked and sorted and any non-conforming waste material will be removed off-site to a suitably licensed landfill within 48 hours.

The Applicant has proposed to accumulate approximately 1,000 tonnes of green waste which is expected to take up to three weeks. A shredder / grinder will then be brought on to site on a campaign basis to process the waste. The processing will approximately 2 to 3 days at a time. Greenwaste stockpiles will typically have dimensions of 6m high by 20m wide and have a minimum 5m wide internal access around the stockpiles.

According to the application, the facility will operate during the hours Monday to Saturday – 7.00 am to 5.00 pm; and closed on Sundays and Public Holidays.

The lease area consists of a fully fenced, limestone / crushed rubble surface with lockable gates. The site also has a dedicated water supply from communal groundwater bore (groundwater licence 179117).

Emissions and discharges

Refer to Premises map in Appendix 1

Source	Emission	Controls
Greenwaste storage	Leachate / Contaminated stormwater	<ul style="list-style-type: none">- 300mm compacted limestone hardstand with a permeability $\leq 1 \times 10^{-6}$ m/s- HDPE lined stormwater catchment basin with integrated sediment trap achieving a permeability $\leq 2.8 \times 10^{-11}$ m/s designed to contain a 1 in 20 year ARI critical rainfall event without overflow.
	Odour	<ul style="list-style-type: none">- No long term storage of waste- Turning of stockpiled material
	Vermin	<ul style="list-style-type: none">- No long term storage of material- Professional pest controllers to be utilised in the event of a vermin problem.

Source	Emission	Controls
	Smoke and particulate (unauthorised fires)	<ul style="list-style-type: none"> - Fire management plan in place - Maintain moisture content of mulched material at 40% and temperature at a maximum 70°C - 5m separation maintained between all stockpiles Maintain no more than 2,000 tonnes (or 5,000m³) of unprocessed material and 2,000 tonnes (or 3,333m³) of processed material - Green waste will only be stored on site for 3 weeks. - Premises water storage, ringmain, associated pumps, lay flat hoses and water cart.
Greenwaste shredding/processing	Dust	Dust Management Plan
	Noise	<ul style="list-style-type: none"> - Fitted dust suppression of shredding/processing equipment - Stockpiles to be wetted down prior to processing - Activities occur between the hours of 7 am and 5 pm - Shredding and grinding equipment to not be operated simultaneously - Shredding and grinding to take place behind a 4m high southern windrow
Vehicle movements	Dust	Dust Management Plan
	Noise	<ul style="list-style-type: none"> - Reduced speed to reduce dust - Water cart and sprinkler use for dust suppression - Use of Dustex or similar if needed - Wetting if dusty loads before tipping
Hydrocarbon/chemical storage	Chemical pollutants	<ul style="list-style-type: none"> - No proposed storage on site - Vehicle fuel transported to the premises by mobile refuelling services.

Environmental siting

Refer to Premises maps in Appendix 1

Residential and sensitive receptors and distance from activity boundary

Residential and sensitive premises	Distance from Prescribed Premises
Nearest Public Road	Approximately 270 meters south
Nearest residential premises	Approximately 600 meters south
Golf course	Approximately 1,300 meters east
Industrial/commercial/farming enterprises	Adjacent north Adjacent east Adjacent south 800 meters west
Residential	Approximately 2,000 meters east north east
WA Sporting Car Club	Approximately 1,800 meters north
Tiger Kart Club, Wanneroo International Raceway	Approximately 1,950 meters north

Environmental receptors and distance from activity boundary

Environmental receptors	Distance from Prescribed Premises
Bushforever	290 meters south 300 meters south west 1,040 meters east 1,500 meters north east
Public drinking water source area	2,025 meters east south east
Wanneroo Groundwater Area	Within
Threatened Ecological Communities (buffer)	Within (Banksia WL SCP)
Green Growth Vegetation Complexes Commitments	Adjacent west (Karrakatta Complex-Central and South)
Green Growth Wetlands Commitments and Geomorphic Wetland	1,600 meters north east (Lake Pinjar)
Surface Waterbodies	1,600 meters north east (Lake Pinjar) 2,500 meters east (Little Coogee Swamp) 2,400 meters south east (Lake Adams)

Legislative context and other approvals

Relevant approvals

Legislation	Number	Approval
<i>Planning and Development (Local Planning Schemes) Regulations 2015</i> City of Wanneroo	DA2014/2422	Approval for the development of Industry – General (Storage and Sorting Activity)
<i>Rights in Water and Irrigation Act 1914</i>	179117	Groundwater extraction

Works approval and licence history

Instrument	Issued	Nature and extent of works approval, licence or amendment
W5987/2016/1	15/12/2016	Approval to complete works appropriate to the operation of activities associated with Category 61A operations including infrastructure to manage dust, smoke and stormwater/leachate emissions.

Compliance inspections and compliance history

Instrument	Event	Findings
W5987/2016/1	Works Approval Completion Compliance Inspection	The licensee was found to have not complied with a number of requirements of the issued Works Approval. Subsequent to the inspection the licensee completed satisfactory works and provided additional information to meet compliance with construction requirements of W5987/2016/1.

Risk assessment

Risk assessment – operation

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/Activities	Potential emissions	Potential receptors	Potential pathway & receptor (impact)	Applicant controls					
Acceptance, processing and shredding of greenwaste materials	Dust: associated with handling and shredding of greenwaste materials (including vehicle movements)	Nearest public road 270m south	Air: Public health and amenity impacts	Dust suppression: <ul style="list-style-type: none"> - Water cart - Sprinklers - Use of Dustex (or similar) if needed 	Minor	Possible	Medium	Although the consequence is minor due to the nature of the activity the risk event could occur at some time.	4 (e) & (h) 5(4) (b) & (c) 5(7) 6
		Residential premises 600m south Adjacent industry							
		Vegetation	Air: Environmental, impact to flora and fauna communities	Large quantity of water storage available Water extraction ability High product moisture content (40%) Dust Management Plan					

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/Activities	Potential emissions	Potential receptors	Potential pathway & receptor (impact)	Applicant controls					
	Leachate / contaminated stormwater: storage of greenwaste materials and non-conforming waste on the premises	Groundwater with beneficial use (Groundwater Dependent Ecosystem)	Ground: Adverse impacts to the health and survival of ecosystems dependent upon surface water and groundwater	300 mm compacted limestone hardstand with a permeability $\leq 1 \times 10^{-6} \text{ m/s}$ HDPE lined stormwater catchment/ sedimentation basin 500mm high perimeter bund wall	Moderate	Unlikely	Medium	With controls in place the consequence is unlikely to occur	4 (b) 5 (1), (2) & (3)

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/Activities	Potential emissions	Potential receptors	Potential pathway & receptor (impact)	Applicant controls					
	Noise: Shredding/ processing of greenwaste	Public road 270m south Adjacent industrial premises Residential premises 600m south	Air: Public Health and Amenity	Premises operations 0700 to 1700 Shredding only taking place 2 to 3 days per fortnight Only one shredding / grinding unit to be operated at any given time Shredding/ grinding only behind 4 m high product stockpile (southern side)	Minor	Possible	Medium	With controls in place a low level amenity impact is possible at some time	4(a), (d) & (e) Section 49(4)&(5) of the <i>Environmental Protection Act 1986</i>
Stockpiled Greenwaste	Odour: associated with natural decomposition of greenwaste material	Public road 270m south Adjacent industrial premises	Air: Public health and amenity impacts	Greenwaste only stored for 3 weeks for campaign shredding	Slight	Possible	Low	Minimal impacts to amenity could occur at some time	Section 49(4)&(5) of the <i>Environmental Protection Act 1986</i>

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	Regulatory controls (refer to conditions of the granted instrument)
Source/Activities	Potential emissions	Potential receptors	Potential pathway & receptor (impact)	Applicant controls					
	Smoke and Particulate: Unauthorised fires	Residential premises 600m south		Fire Management Plan Material maintained at 40% moisture All material maintained ≤70°C Firefighting equipment maintained on premises	Moderate	Possible	Medium	In the event of a fire low level health impacts may be experienced by the public in the vicinity.	4(f), (g), (h) & (i) 5(7) & (8) 7

Consultation

Method	Comments received	DWER response
Application advertised on DWER website	None received	NA
Direct interest stakeholders notified	Refer to Appendix 2	Refer to Appendix 2
Applicant notified of draft	21 January 2019	Refer to Appendix 2

Conclusion

This assessment of the risks of activities on the premises has been undertaken with due consideration of a number of factors, including the documents and policies specified in this decision report (summarised in Appendix 3).

This assessment was also informed by a site inspection by DWER officers on 18 September 2018.

Based on this assessment, it has been determined that the Issued Licence will be granted subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

DWER notes that it may review the appropriateness and adequacy of controls at any time and that, following a review, DWER may initiate amendments to the approval under the EP Act.

Tracey Hassell

**A/MANAGER WASTE INDUSTRIES
REGULATORY SERVICES**

Delegated Officer under section 20 of the *Environmental Protection Act 1986*

Appendix 1: Premises maps





Community Greenwaste Recycling - Neerabup



Legend

- Roads - State Roads
- Roads - Major Roads

Notes

Lease area 7, 190 Flynn Drive, Neerabup

Author: DWER
Recipient: L9008/2016/1



WGS_1984_Web_Mercator_Auxiliary_Sphere
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This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Appendix 2: Summary of consultation comments

Application consultation

Person	Comment	DWER response
City of Wanneroo	Activity is permissible with planning approval due to expire 2 December 2020.	NA

Applicant consultation

Licence condition / Decision Report section	Comment	DWER response
L908/2016/1	Acceptance of conditions Waive 21 day consultation period	Accept

Appendix 3: Key documents

Document title	In text ref	Availability
Works Approval W5987/2016/1 – Community Greenwaste Recycling Pty Ltd	W5987/2016/1	accessed at www.dwer.wa.gov.au
DER, July 2015. <i>Guidance Statement: Regulatory principles</i> . Department of Environment Regulation, Perth.	DER 2015a	accessed at www.dwer.wa.gov.au
DER, October 2015. <i>Guidance Statement: Setting conditions</i> . Department of Environment Regulation, Perth.	DER 2015b	
DER, August 2016. <i>Guidance Statement: Licence duration</i> . Department of Environment Regulation, Perth.	DER 2016a	
DER, November 2016. <i>Guidance Statement: Risk Assessments</i> . Department of Environment Regulation, Perth.	DER 2016b	
DER, November 2016. <i>Guidance Statement: Decision Making</i> . Department of Environment Regulation, Perth.	DER 2016c	