



## Application for Licence

### Division 3, Part V *Environmental Protection Act 1986*

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<b>Licence Number</b>	L9171/2018/1
<b>Applicant</b>	Merger Contracting Pty Ltd
<b>ACN</b>	091 240 354
<b>File Number</b>	DER2018/000552-1
<b>Premises</b>	Processing Site Asphalt Recyclers Australia Pty Ltd 7 Tipper Court HAZELMERE WA 6055  Legal description - Part of Lot 813 on Plan 400749
<b>Date of Report</b>	22 March 2019

## Overview of premises

### Classification of premises

Classification of Premises	Description	Approved Premises production or design capacity or throughput
Category 13	Crushing of building material: premises on which waste building or demolition material (for example, bricks, stones or concrete) is crushed or cleaned.	30,000 tonnes per annum
Category 61A	Solid waste facility: premises (other than premises within category 67A) on which waste produced on other premises is stored, reprocessed, treated, or discharged onto land.	960 tonnes per annum

### Description of proposed activity

The Applicant lodged an application on 26 March 2018 for a concurrent Works Approval and Licence for Category 13 crushing and Category 61A solid waste facility for the storage of recycled recovered asphalt paving (RAP) at 7 Tipper Court, Hazelmere. The application for a Works Approval was formally withdrawn by DWER on 13 August 2018 as the infrastructure was already located on-site and no further works were required.

RAP production requires asphalt to be softened and dried at high heat in a rotating drum to return it to a rollable state. It may consist of either profilings (top surface of asphalt pavement), hot asphalt returns or pavement/hardstand demolition material. The activity of asphalt softening at high heat does not require licensing, as asphalt is not being manufactured as would normally occur under Category 35.

Profilings – an asphalt profiling machine specifically removes the surface layer (or profile) of an asphalt road pavement leaving the roadbase intact with sufficient asphalt cover. The profilings may be reused either as cold compacted hardstand or reheated for laying and rolling as asphalt pavement.

Hot asphalt returns – on asphalt paving jobs, it frequently occurs that only part of the delivered asphalt load is required with the remainder dumped to landfill if another client is not available. Alternatively Merger Contracting accepts these returns, storing and recycling as for profilings.

Asphalt pavement demolition – consists of asphalt hardstand/paving lumps and segments with some roadbase contamination. It requires crushing and screening to produce asphalt aggregate size fractions suitable for road base construction.

Operations are intended to occur from 7am to 5pm Monday to Saturday.

It should be noted that 7 Tipper Court, Hazelmere is the location for processing of RAP under this Licence L9171/2018/1, whereas 6 Tipper Court, Hazelmere is the location for storage of processed RAP only and the subject of a separate Licence L9170/2018/1 held by Merger Contracting Pty Ltd.

Refer to Premises map in Appendix 1.

<b>Infrastructure</b>
<b>Prescribed Activity Category 13 and 61A</b>
RubbleMaster RM90Go
Volvo L70E front end loader
Caterpillar 432E backhoe
<b>Directly related activities</b>
RSL Asphalt Recycling Machine Model VEB10000

## Environmental siting

### Residential and sensitive receptors and distance from activity boundary

Residential and sensitive premises	Distance from Prescribed Premises
Rural Residential premises	470m south west of the proposed crushing location.

### Environmental receptors and distance from activity boundary

Environmental receptors	Distance from Prescribed Premises
Lakes	Perennial lake 600m south west
Rivers	Helena River 1080m north
Threatened fauna	Endangered <i>Calyptorhynchus latirostris</i> (Carnaby's cockatoo) 680m south Priority 4 <i>Isodon fusciventer</i> (southwestern brown bandicoot) 610m north
Threatened ecological communities	Critically endangered Shrublands and woodlands 500m south west Endangered <i>Banksia attenuata</i> woodlands over species rich dense shrublands 500m south west Priority 3 <i>Banksia</i> Dominated Woodlands 450m south west, 500m south east and 590m north east.
Threatened and Priority Flora	Priority 4 <i>Schoenus griffinianus</i> 1240m south east

## Risk assessment – Operation

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	Continue to detailed Risk Assessment
Source/ Activities	Potential emissions	Potential receptors	Potential pathway & receptor (impact)	Applicant controls					
Operation of mobile crusher and loading machinery	Noise	Closest rural residential premises located 470m south west of the proposed crushing location.	Air / wind dispersion impacting upon amenity	Operations limited to 7am – 5pm Monday to Saturday  Commitment to the <i>EP (Noise) Regulations 1997</i>	Slight	Unlikely	Low	The Applicant has not provided noise modelling or significant information related to potential noise emissions. The Delegated Officer consulted specialist branches internal to DWER and has determined the proposal is not likely to cause significant impacts to receptors given the relatively small scale of the proposal compared to existing industry in the local vicinity. However the Applicant is required to comply with the EP (Noise) Regulations. The Delegated Officer considers any issues related to noise from the Premises can be adequately regulated under these Regulations. Condition 3 adopts the Applicant's controls related to operational hours to mitigate impacts from out-of-hours noise. In the event that noise issues do occur, the Licence can be amended to adopt additional controls.	No

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	Continue to detailed Risk Assessment
Source/ Activities	Potential emissions	Potential receptors	Potential pathway & receptor (impact)	Applicant controls					
	Dust			Crusher fitted with optional extras for dust suppression including water sprayers inside the unit and at the outlet and belts.	Slight	Unlikely	Low	<p>The Delegated Officer has consulted specialist branches internal to DWER. The Delegated Officer has determined the proposal is not likely to cause significant impacts to receptors given the relatively small scale of the proposal compared to existing industry in the local vicinity, that crushing recycled asphalt is not likely to produce dust due to the asphalt cement content, and the crusher being fitted with water sprayers for dust suppression.</p> <p>Condition 4 adopts the applicants controls for dust suppression on plant and requires regular clean out of the recycler dust collection box.</p> <p>Condition 7 requires an annual particulate test to monitor plant performance and ensure that emissions stay within the ranges assessed.</p> <p>In the event that dust issues do occur, the Licence can be amended to adopt additional controls.</p>	No

Stockpiling and processing of RAP	Air emissions (Odour/Particulates)	Closest rural residential premises located 470m south west of the proposed crushing location.	Air / wind dispersion impacting upon amenity		Slight	Unlikely	Low	<p>DWER understands that the limited heating and processing of RAP for recycling does not have the same potential for odour/particulate generation as asphalt manufacturing. Heating of recycled asphalt will occur for approx. 20 minute periods and be trucked off-site immediately after. Stockpiled recycled asphalt will not cause odour emissions as it is a non-odorous solid.</p> <p>The applicant has submitted results of stack monitoring in support of the application. Whilst the results indicate high particulate concentrations of 53 mg/m<sup>3</sup> (concentrations should be well under 50 mg/m<sup>3</sup>), the limited heating time and low rate of emissions (0.17 g/min) indicate an overall low-risk air emissions profile.</p> <p>The Delegated Officer consulted DWER specialist branches and has determined the proposal is not likely to cause significant impacts to receptors given the relatively small scale of the proposal compared to existing industry in the local vicinity.</p> <p>Odour emissions are not expected from the reheating process whilst within normal operating temperature ranges. Condition 4 includes a requirement to ensure the temperature monitoring system and automatic cutoff are maintained on the asphalt recycler. Condition 5 also permits point source air emissions only from the recycler exhaust stack.</p> <p>In the event that air emission issues do occur, the Licence can be amended to adopt additional controls.</p>	No
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## Consultation

Method	Comments received	DWER response
Application advertised on DWER website on 26/11/2018	None	NA
Direct interest stakeholders notified on 30/11/2018	None	NA
Applicant notified of draft on 21 February 2019	None	NA

## 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).

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.

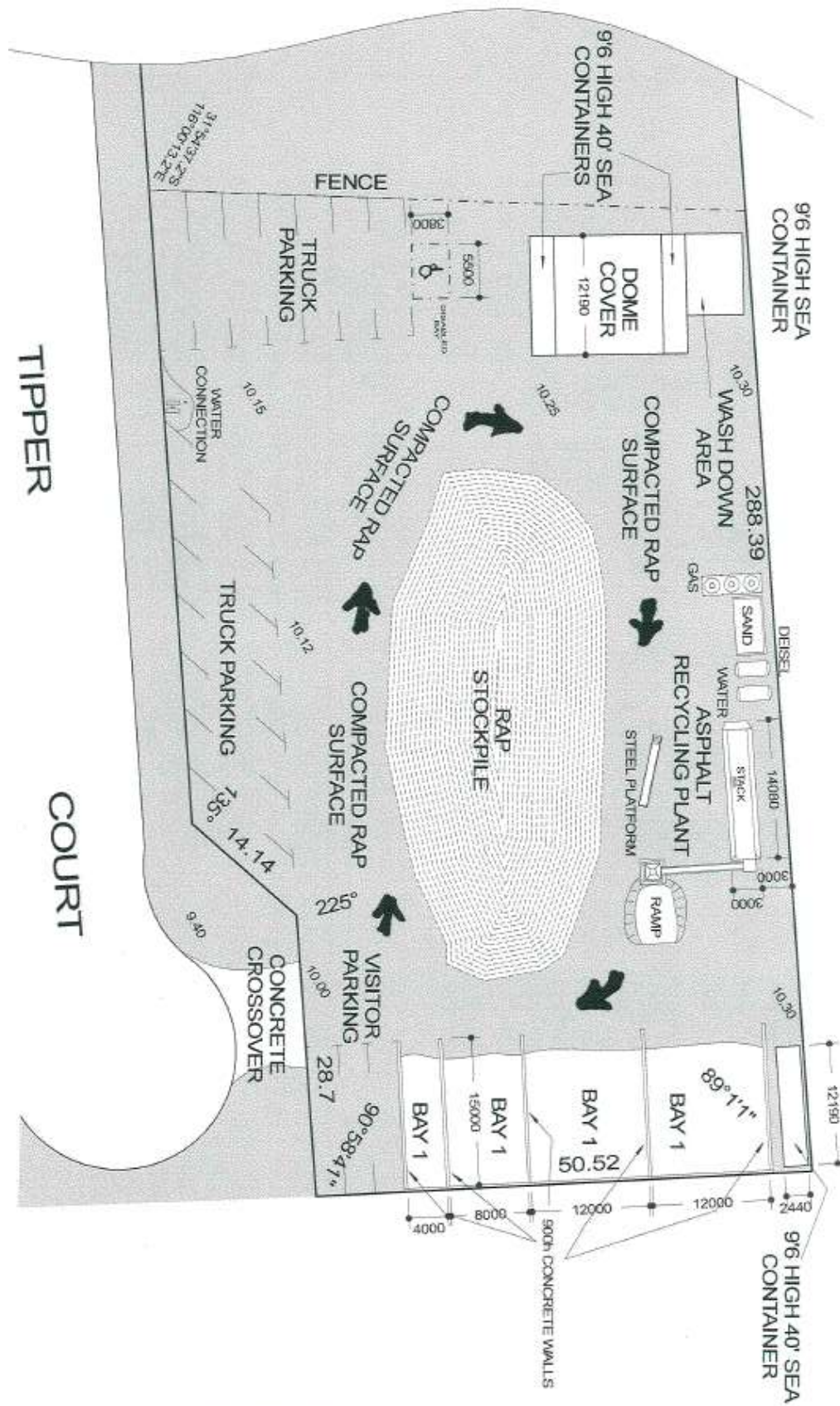
DWER notes that it may review the appropriateness and adequacy of controls at any time and that, following a review, DWER may initiate amendments to the approval under the EP Act.

**Steve Checker**

**MANAGER WASTE INDUSTRIES  
REGULATORY SERVICES**

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

# Appendix 1: Premises map





## Appendix 3: Key documents

Document title	In text ref	Availability
Licence L9171/2018/1 – Merger Contracting Pty Ltd	L9171/2018/1	accessed at <a href="http://www.der.wa.gov.au">www.der.wa.gov.au</a>
DER, July 2015. <i>Guidance Statement: Regulatory principles</i> . Department of Environment Regulation, Perth.	DER 2015a	accessed at <a href="http://www.dwer.wa.gov.au">www.dwer.wa.gov.au</a>
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	